

## ***IAMG Council Meeting***

***Cristobal Bordiú Room, Geological Survey of Spain Building, Calle Ríos Rosas 23, 28003 Madrid (near Rios Rosas underground station), 2:00 - 5:30 PM on Sunday, September 1<sup>st</sup>, 2013.***

*Minutes prepared by Secretary General Frits Agterberg with inputs from participants, 19/09/2013.*

In attendance were: Qiuming Cheng (President), Jennifer McKinley (Executive Vice President), David Collins (Treasurer), Frits Agterberg (Secretary General), Vera Pawlowsky-Glahn (Past President), Raimon Tolosana Delgado (Vice President), Guillaume Caumon (Councilor), June Hill (Councilor), Liu Gang (Councilor), Xianchuan Yu (representing Yongqing Chen, Councilor), Harald Poelchau (Newsletter & Website Editor), Graeme Bonham-Carter (Archivist & Chair Publications Committee), Ricardo Olea (Chair, Meetings Committee), Helmut Schaeben (Chair Student Affairs Committee), John Schuenemeyer (Chair, Awards Committee), Honggang Qu (representing Yan Guangsheng, Chair IAMG-Geological Surveys Commission), Eulogio Pardo-Igúzquiza (Chair, IAMG2013 Organizing Committee), Eduardo de Mulder (Executive Director, Earth Science Matters Foundation), Peter Dowd (invited guest), Jan Harff (invited guest), Richard Sinding-Larsen (invited guest).

### ***Agenda:***

1. Welcome and opening by IAMG President
2. Approval of final agenda
3. President's report
4. Vice President's report
5. Treasurer's report
6. Secretary General's report
7. Awards Committee report
8. Curriculum Quality Committee report
9. Lectures Committee report
10. Meetings Committee report
11. Outreach Committee report
12. Publications Committee report
13. Student Affairs Committee report
14. Final Website Commission report
15. Meetings Strategy Commission report
16. Presentation by Earth Science Matters Executive Director
17. Future IAMG conferences
18. New business
19. Closing remarks

After welcome from the President, Ricardo Olea proposed that the order of topics on the agenda should be changed by first selecting any potentially controversial subjects that should be discussed in more detail. Care was taken during the meeting that sufficient time was available for all concerns.

Traditionally, separate annual reports are prepared by Officers and Committee Chairs before a Council Meeting is held during the IAMG Annual Conference. Reports by the three Editors-in-Chief and editors of the Monograph Series and Website/Newsletter are included in the report of the Chair, Publications Committee. For this year's meeting, two Commission Chair reports were prepared as well. All 18 annual reports were received and distributed to participants before the Council Meeting.

A major accomplishment for 2012-2013 was the completion of the new publishing agreement for Computers & Geosciences with Elsevier. A significant change from earlier contracts is that now there are fixed US \$70,000 annual royalties (to be increased for inflation) of which US \$ 10,000 will go to four annual US \$ 2,500 Computers & Geosciences Research Scholarships for students or post-doctorate fellows. Additionally, the IAMG commenced awarding three annual US \$ 2,500 Mathematical Geosciences scholarships and two annual US \$ 2,500 Natural Resources Research scholarships. Three sets of guidelines, one for each journal, were prepared and two selection committees were formed. Before IAMG 2013, the first nine winners were selected from among the more than 60 scholarship applications received this first year. Our Office Manager, Regina van den Boogaart has done an excellent job of creating new online scholarship application form, database management and preparation of certificates.

At our Council Meeting, the four annual reports by members of the Executive Committee were presented and discussed followed by the seven annual reports of the Committee Chairs. The final report of the Website Commission was presented by Harald Poelchau. It was accepted, and it's Chair Dan Tetzlaff and members were thanked for their contribution. The new Meetings Strategy Commission chaired by Raimon Tolosana Delgado will continue to exist longer, in order to prepare further recommendations in addition to the new IAMG conference guidelines that had already been accepted (Council Resolution #24, 15/Jul/2013). Some concern was expressed that according to our Statutes, Commissions have a limited lifespan whereas Committees are long-term standing bodies. Qiuming Cheng suggested that IAMG Commissions can be changed into Committees on an individual basis.

Richard Sinding-Larsen commented on possible outreach to high-school students by making geomathematical examples available to them. The Norwegian oil

industry has developed mathematical oil prospect examples for use in secondary education. Jack Schuenemeyer mentioned that the American Statistical Association has a program for teaching statistics to high-school students in which 40 or 50 countries participate. Raimon Tolosana-Delgado remarked that supplementary material for students might be included in our journals. Jennifer McKinley suggested an IAMG website for high-school students.

Helmut Schaeben advised that we can expect an application to found a new student chapter in Lisbon, Portugal. There was some discussion about who should approve such applications. In general, decisions of this type fall under the jurisdiction of the Student Affairs Committee.

Ricardo Olea suggested that IAMG should obtain a number of copies of the new Spanish geomathematical textbook by Eulogio Pardo-Igúzquiza for distribution to schools in Spanish-speaking countries. This idea received favorable comments and will be acted upon.

Eduardo de Mulder presented a progress report on our first Outreach Project (on Compositional Data Analysis) performed in collaboration with Earth Science Matters of which the IAMG is a Scientific International Sponsor. The project received favorable comments and will be continued during 2014 for both Compositional Data Analysis and Local Singularity Analysis. Suggestions for other IAMG Outreach topics would be most welcome.

Eric Grunsky remarked that authors of articles accepted for publication in *Computers & Geosciences* used to receive letters inviting them to join the IAMG. Graeme Bonham-Carter suggested that the one-year free IAMG membership currently offered to first authors of articles in any of our three journals be extended to all authors. A tentative estimate is that this would double the number of new members created in this manner. There was considerable discussion of the pros and cons of free memberships of this type. It was decided to wait for a more definite proposal on the matter from the Publications Committee.

Guillaume Caumon advocated that the IAMG should liaise with other professional societies that have similar mathematical and statistical interests. Ricardo Olea suggested that our association with the AAPG could serve as a model for other co-operations of this type. Eduardo de Mulder pointed out that ties with the IUGS can be strengthened, particularly with respect to our respective websites. With the ISI, this organization is one of the IAMG's two parents. IUGS furthers initiatives such as One Geology and YES (Young Earth Scientists) with which the IAMG could become involved. The matter of possible IGCP projects originating from within IAMG was not discussed.

With respect to future IAMG conferences and IAMG-sponsored courses, Ricardo Olea stated that the Meetings Committee is a support group. Future IAMG Annual Meetings will be held in Delhi, India (2014) and in Freiberg, Germany (2015). Our

2016 Annual Meeting will be held during the next International Geological Congress in Cape Town, South Africa (2016). The deadline for formal proposals for hosting the 2017 IAMG Annual Meeting is February, 2015. The Curriculum Quality Committee should become pro-active itself but also co-ordinate with the Meetings Committee. Participants in the Council Meeting expressed support for the idea of Vera Pawlowsky-Glahn that the IAMG should co-sponsor the Workshop “GeoMap” on CoDA in regional geochemistry to be held in Olomouc (CZ), 17-20 June, 2014.

Liu Gang suggested that certain key contributions of the IAMG including geostatistics with Kriging methods for 2D and 3D interpolation could be more prominently mentioned with banners in our Newsletter, flyers and website. There was some discussion regarding the fact that the new Guidelines specify that IAMG Annual Conferences have a Local Organizing Committee with a single Chair, whereas the proposal for IAMG2015 to be held in Freiberg, Germany, had three proposers. It was proposed that Helmut Schaeben be the sole IAMG2015 Chair and he will be considered as such unless there will be objections to this proposal before the end of this year.

The 10 Voting Members attending the meeting unanimously passed the motion for acceptance of several amendments of the IAMG budget for 2014 as proposed by Treasurer David Collins and the budget for 2014 contained in his 2013/14 annual report will replace the preliminary 2014 budget previously accepted by Council (Resolution #14, 26/Nov/2012).

During the past year, several By-Laws have been suspended. According to our Statutes, these temporary suspensions are subject to approval of the General Assembly. An Extraordinary General Assembly will be held one year from now during IAMG2014 in Delhi, India.

***President Qiuming Cheng thanked all Members in attendance for participating in the Council Meeting. Special thanks are due to the IAMG2013 Organizing Committee for arrangements including provision of the splendid venue for this meeting, and to the Research and Development Center of the China Geological Survey for sponsoring the Tapas and Wine social event that followed the Council Meeting.***

# IAMG 2012/13 Annual Reports

## President's report

### Qiuming Cheng

**Toronto, August 2012 – August, 2013.**

It has been a year since the appointment of our new Council during the 34<sup>th</sup> IGC in Brisbane. This past year was a challenging yet prosperous year for the IAMG. We set high expectations during the last Council meeting; some of these objectives have been achieved and others still remain to be realized. My sincere thanks are due to the IAMG Executive, Council members and many other IAMG members who are so dedicated and engaged in keeping IAMG business going. I also want to express my gratitude to our past Presidents, previous Council members, and reappointed Committee Chairs for their continuing involvement and assistance in IAMG affairs thus ensuring quality and efficiency of IAMG management. Important issues were discussed within the IAMG Council, along with inputs from many invited participants. This concept of openness not only has led to new ideas and increased transparency of decision-making, but it also has helped to maintain quality and efficiency of the decisions that were taken. In the following, I will provide a summary of activities and resolutions made by the Council during the last year. Several thoughts about issues to be considered for the next year will be included at the end.

#### **1. Organizational Matters**

Organizational systems and structure are essential for any association and organization. The first task of the new Council was to set up energetic teams consisting of Executive, Committees and Commissions. All current committees and commissions have their Chairs, our journals have their Editors-in-Chief, and several other initiatives have been implemented.

##### 1.1. Installation of new Council

Immediately after the installation of the new Council during the 34<sup>th</sup> IGC, our first successful Council meeting provided an excellent transition. At this Council meeting, former officers, current editors, and committee chairs in attendance were invited and asked to summarize their annual reports, with emphasis on future developments to be implemented by the new Council. Decisions were taken for consolidation of IAMG organization including appointments of committee chairs, journal editors, the roles of our vice presidents, and new committees and commissions.

##### 1.2 Reappointed Committee Chairs

Ricardo Olea continues to serve as Chair of the Meetings Committee, and Helmut Schaeben as Chair of the Student Affairs Committee. Graeme Bonham-Carter remained as Chair of the Publications Committee to be replaced by Eric Grunsky in September, 2013.

##### 1.3 Newly appointed Committee and Commission Chairs

Jack Schuenemeyer and Julián Ortiz have been appointed to chair the Awards and Curriculum Quality Committees, respectively. The IAMG Distinguished Lecturer Committee and the Georges Matheron Lecturer Committee were combined into a single committee called the "Lectures Committee" chaired by Executive Vice-President Jennifer McKinley. Our new Outreach Committee, which closely co-operates with Earth Science Matters, successor to International Year of Planet Earth, is chaired by Frits Agterberg. An IAMG Website Commission

was formed and chaired by Dan Tetzlaff to explore options, to reduce cost of server / developer and other issues. A new commission, the IAMG-Geological Survey Commission, has been established and is chaired by Yan Guangsheng of the China Geological Survey. Its purpose is to develop close ties between the IAMG and geological surveys worldwide and to advance the use of geomathematics and geoinformatics within government organizations. A new Meetings Strategy Commission was established and chaired by Raimon Tolosana Delgado during the past few months for developing new guidelines for future annual conferences.

#### 1.4 Journal Editor-in-Chiefs

Our journals are doing very well under the leadership of Roussos Dimitrakopoulos as Editor-in-Chief of Mathematical Geosciences, and Jef Caers, Editor-in-Chief of Computers & Geosciences. John Carranza was appointed as the new Editor-in-Chief of Natural Resources Research. Harald Poelchau remains our Editor of the IAMG Newsletter & Website.

#### 1.5 Office of IAMG

It was decided that Regina remains as office manager of IAMG based in Freiberg while the permanent address remains in Houston, US. Graeme Bonham-Carter will continue to be our Archivist with hard copy archive materials stored in his basement in Merrickville, Ontario. Daniel Merriam remains the IAMG Historian.

### **2. Important Issues and Resolutions**

Under the new Council administration, several important issues had broad discussions among Councilors with input from other invited participants. In this section, some of the issues and resolutions are summarized. More detailed information about each issue can be found in other relevant reports in the package of reports prepared for the Council. All reports will become available at the IAMG website.

#### 2.1 Budgets of IAMG

Budgets for 2013 and 2014 were developed, discussed and approved by Council. Details of it can be found in the Treasurer's report. The IAMG not only maintains a balanced budget, but it also has created new activities including new Student (Young Scientist) Research Grants associated our three journals, partially due to revenues from our new contract with Elsevier for 2013.

#### 2.2 Contract for C&G with Elsevier

A new contract was developed with assistance of Graeme, Chair of the Publications Committee and, was signed by IAMG and Elsevier. IAMG has already received revenues from Elsevier for 2012 and 2013. Details can be seen in the Treasurer's report. IAMG is grateful to Graeme for his excellent leadership and consistent involvement in IAMG affairs.

#### 2.3 Annual Conferences and IAMG Sponsored Conferences

The Meetings Committee (MC) chaired by Ricardo Olea has done excellent work for providing advice and guidance to the organizers of the IAMG2013 and IAMG2014 conferences as well as selecting new conference sites for IAMG2015 and other IAMG-sponsored meetings. MC reports excellent progress on the organization of IAMG-2013 and IAMG-2014 which are in good standing. I am very proud to congratulate the Organizing Committee of IAMG-2013, chaired by Eulogio Pardo Igúzquiza, for a hugely successful conference this year. Various keynote lectures

have been scheduled. Business meetings for IAMG committees are being arranged to be held during the conference. Various awards will be presented during the conference.

The proposal for hosting the IAMG-2015 Annual Conference in Freiberg, Germany from Helmut Schaeben, Gerald van den Boogaart and Raimon Tolosana-Delgado has been approved by Council. This means that sites for annual conferences for four years including the one to be held during the 35<sup>th</sup> IGC have been decided. IAMG2013 is in Madrid, IAMG2014 will be in New Delhi, and IAMG2015 in Freiberg. For the year of 2016, IAMG will have a meeting together with 35<sup>th</sup> IGC in Cape Town. Detailed information about the proposals for these meetings can be found in the MC Chair's report.

At the recommendation of the MC, the Council approved a request from Peter Filzmoser (Austria) to financially support the Fifth International Workshop on Compositional Data Analysis held in Vorau, Austria, 3–7 June 2013.

#### 2.4 New Guidelines for future annual conferences

The local organizer committee of IAMG2015 proposes that IAMG-2015 and subsequent annual conferences should be integral operations within IAMG, rather than independent operations as they are currently organized. This proposal for change in philosophy of organizing IAMG annual conferences was initially proposed by our Past President, Vera Pawlowsky-Glahn at the last Council meeting, and the proposal was discussed extensively for its pros and cons. The Executive feels there is a need to thoroughly evaluate the situation and make wise decisions with long term planning. The Council decided to form a Meetings Strategy Commission (MSC) chaired by Vice President Raimon Tolosana-Delgado, two members from the current MC (Jenny, Ricardo), and the Treasurer (David). The main objective of the new commission was to coordinate discussions on how to offer conferences that benefit IAMG both by increasing scientific standards and financial profitability. The main change to be considered is to modify the guidelines for financial responsibility of running the annual conference. Such changes are to encourage proposals for hosting annual conferences from local teams from broader regions, especially from places and teams with less experience in hosting IAMG conferences; and to increase the profitability of conferences to IAMG. MSC has worked very hard and done excellent work with proposals for new guidelines. The proposal was widely discussed among the Council with inputs from its extended group. The guidelines have been approved by Council and the details can be found in the report of MSC and report of General Secretary. Annual conferences for 2015 and afterwards will be offered under the new guidelines. The new guidelines shall be reviewed after the IAMG conference of 2018.

#### 2.5 Student (young scientist) Grants

This year IAMG offers its existing student grants for which four student winners have been selected by the Student Affairs Committee (SC) chaired by Helmut Schaeben. In addition, new student grants associated with our three Journals have been initialized, and will be awarded to 9 students or postdoctoral fellows each with a \$2500 prize. Two committees have been formed to make selections for these grants. Guidelines were developed with the help from the Publications Committee (PC) chaired by Graeme Bonham-Carter in consultation with the Executive and our Publishers. The winners will be announced at the IAMG annual conference.

#### 2.6 IAMG awards and Lecturers

The IAMG Awards Committee (AC) chaired by Jack Schuenemeyer has selected two excellent

winner for the two awards to be presented at IAMG-2013. They are Dr. Raimon Tolosana-Delgado (Spain) for the Chayes Prize and Dr. Grégoire Mariethoz (Australia) for the Vistelius Research Award. Both winners will deliver keynote presentations at IAMG-2013.

The IAMG Lectures Committee (LC) chaired by Jennifer McKinley (IAMG Executive VP) has selected Dr. Peter A. Dowd (University of Adelaide, Australia) as the 2013 George Matheron Lecturer, and Dr. Eric Grunsky as the 2014 Distinguished Lecturer who will present his lecture plan at IAMG-2013.

### 2.7 IAMG Website and Newsletters

We have a newly migrated Association website up running. As Dan Tetzlaff summarizes in his report to the Executive (see below) and in Harald Poelchau's Website and Newsletter Editor report, we had to make major changes to accommodate unreasonably high costs of our previous server, also because our website was hacked and used for nefarious banking transactions. The new website is more economic, faster, and more secure. More information about the migration of the website can be found in Dan's report and in Harald's report.

Thanks to Harald's hard work, two excellent Newsletters were produced and mailed out. Our Newsletters are also available for downloading from the IAMG website.

### 2.8 Outreach

Outreach in collaboration with Earth Science Matters is underway on "Compositional Data Analysis" to be followed by to be newly planned joint work on "Local Singularity Analysis". A shared booth by IAMG, ESM and the International Lithosphere Program was first put up at the Brisbane IGC, and during 2013, at CAG24 in Addis Ababa, Ethiopia, and EGU in Vienna, Austria. It is also at IAMG2013 in Madrid.

### 2.9 Journals and Books

The report of the Publications Committee by Graeme Bonham-Carter including the Editor-In-Chief reports indicate that our three journals are doing very well, in quantity, quality, and citations. Both MG and C&G maintain very steady and static increase of Impact Factor (IF). Both have been ranked highly amongst its cohorts: for example, C&G ranked #27 out of 99 journals. Our editors are to be commended.

Under the leadership of the new Editor-in-Chief, John Carranza and his newly formed editorial board, new energy is brought into improving the standing of NRR. We are positive that this Journal will be granted ISI in 2014 as is intended. In the meantime, IAMG established members are encouraged to submit their work to NRR as articles, either as regular papers or for special and thematic issues.

Jo Anne DeGraffenreid, Editor of IAMG Studies in Mathematical Geosciences (SMG) has reported that Oxford University Press continues to be pleased with its partnership with IAMG for the Studies in Mathematical Geosciences series. A new book Principles of Mathematical Petrophysics by John Doveton from the University of Kansas will be published as the next 9<sup>th</sup> book in this series. The book authored P J Lee published in 2008 has been translated into Chinese and published by the OUP. IAMG members are encouraged to use this platform to publish your books. IAMG wishes to publish more books in this series. Contact Jo Anne for more information.

### 2.10 IAMG Office

Regina has done excellent work not only for her ordinary IAMG office duty but also on new

tasks such as co-ordination of student grant applications. Regina is providing more services for the IAMG office management as well as supporting IAMG2015 in the future. A revised contract is under consideration for Regina.

### **3. New business and issues**

While the council and committees may not have completed all tasks proposed for last year, it has accomplished much including the main management objective for a smooth operation during the first year. Uncompleted tasks remain on the list and we hope to work on these in the coming years. Some of these issues will be discussed during the forthcoming Council Meeting in Madrid. Quoting Ricardo's comment in his response to a survey conducted by the IAMG 2015 Strategic Committee, "I think that for years the main aspiration of IAMG has been to grow into a larger organization of at least 2000 members. Such size would make IAMG look more of a successful and influential group." The growth of size and strength of IAMG was my main concern, when I became committed to run for president of IAMG. To achieve this objective, we all need to work as hard and wisely as we can. I am always open for suggestions. Here I want to bring a few items into attention for the Council to consider:

#### 3.1 Scope of IAMG?

To be successful and influential, IAMG needs to be big and strong. Since IAMG changed its name from Mathematical Geology to Mathematical Geosciences four years ago, we all have hoped this change would not only reflect the current status of the IAMG, but also open opportunities for growth. A question is how to make us grow faster? In order to increase the size of IAMG, two aspects may be considered: broadening the scope of subjects to be considered, and increasing our appeal, especially in the areas with high growth potential. In order to enhance the strength of IAMG and its influence, IAMG needs to show innovative enthusiasm, valuable contributions, and applications to solve critical problems in geosciences. IAMG Members now are involved in more topics than ever before as is reflected in the programs of our annual conferences as well as the articles published in our journals. For example, as I am writing this report, Jef Caers (Editor-in-Chief, Computers & Geosciences) sent out an e-mail with invitation to find an Associate Editor for C&G in "Informatics for Hydrology". Informatics and mathematical modeling in hydrology is a rapidly growing field in the geosciences that heavily involves mathematical modeling and geoinformatics. Similar potential fields for more involvement could include but are not limited to mathematics in geophysics and mathematics in geochemistry. For example, several sessions in the field of nonlinear processes in geosciences list at AGU conference involve math and statistics such as: AGU and Mathematics of Planet Earth 2013: thriving the maths-geophysics synergies; Big Data in Geophysics: Statistical Approaches Across Scales; Complex Networks in Geosciences; Non-Gaussian and Non-Linear Aspects of Data Assimilation/Fusion and Predictability; and statistical geodynamics, just to name a few. The keywords related to these sessions such as characterizing uncertainty and computational methods across scales are closely related to the interests of IAMG. There are great opportunities for IAMG in the areas of quantitative modeling of geo-processes, analytical analysis in geosciences, computational geosciences, quantitative modeling in informatics, in addition to statistical and spatial statistical and numerical analysis.

#### 3.2 Journals

Content published in IAMG journals serves as the base for the association to grow. The question

is how we should use the instrument of journals to publish our quality articles as well to promote IAMG as a whole? Do we have enough journals to cope with the developments of IAMG? Are there any other possibilities and necessities to create more journals in order to open new doors? How to prevent others from creating journals in our field and how that will impact on the IAMG? One of the examples is the recently created journal of Spatial Analysis by a group with Elsevier. Given the ease of internet-based open access journals, more such journals are to be expected. What strategy should IAMG adopt in the competitive world? Can we create new journals using any of the following titles: Quantitative Geosciences, Quantitative Modeling in Geoinformatics, Spatial Data Analysis, Mathematical analysis of Nonlinear Geoprocesses, Nonlinear Geomathematics, Statistical Geosciences, Computational Geosciences, Compositional Data Analysis, Predictive Mapping in Geosciences, and Mathematics of Planet Earth? Or split the C&G Journal into series A: Computational Geology, series B: Computational Geophysics, series C: Computational Geoinformatics, just to provide some examples?

### 3.3 Membership

Organizing conferences, creating student chapters, among others things of IAMG, have shown positive impact on increase of memberships during the past several years. For example, student chapters as centers and clusters magnetize young people to know about and to become interested in joining IAMG. IAMG should further support the activity of students and young scientists to increase the numbers of chapters and to enhance the quality of services to student chapters. For example, IAMG may consider giving a leadership award to a student who has done remarkable work in MG research as well as promotion of student activities. A Best Paper award for students can also be considered for presentation at conferences or published papers in journals. Students are the hope of the IAMG!

Organizing IAMG conferences in some regions may not only promote IAMG but also to stimulate regional or domestic activities which increase IAMG memberships in the region, at least for a shorter period of time. The question is how to convince the new members to stay as regular IAMG members. Regions, especially from those countries or regions where there are no regular councilors can be invited to serve on the council as non-voting members. In addition to the annual conferences, other types of conferences such as Compositional Data Analysis workshops should be encouraged and supported. IAMG may allocate funds to financially support these types of conferences.

### 3.4 MPE2013 opportunities

The International Year of Mathematics of Planet Earth (MPE2013) has generated wide awareness among geoscientists and mathematicians. What should IAMG do to benefit from MPE2013 or beyond MPE2013+? The IAMG also is a sponsor of the International Year of Statistics.

## **Executive Vice President's report - Jennifer McKinley August 2012 - 2013**

Within this VP report, I review my involvement in several IAMG committees and opportunities to undertake the mission of the IAMG during the last year.

### **1. Involvement in Committees**

I am very pleased and honoured to have been able to support both the work of the President, Executive Committee and Council, but also the initiatives of our very active membership. As Chair of the Lectures Committee, I have prepared a separate more detailed report (LC201308). In summary following the nomination of several excellent candidates, Professor Peter Dowd was selected as the 2013 George Matheron Lecturer and Dr Eric Grunsky was selected as the 2014 Distinguished Lecturer (DL). Professor Dowd will deliver a keynote lecture at the 2013 IAMG in Madrid. A separate report is prepared as a summary update of the ongoing presentations and workshops delivered by the current 2013 DL Pierre Goovaerts. As an ex officio member of the Meeting Committee, with my fellow members of the committee, I have provided advice and guidance to the organizer of the IAMG2013 and IAMG2014 conferences and acted as the liaison between Council and the Meetings Committee. With Ricardo Olea, I represented the committee at the Meeting Strategy Commission, chaired by Raimon Tolosana Delgado, to amend the Guidelines to Organize IAMG Conferences and to facilitate acceptance of IAMG2015 Freiberg proposal.

As an ex officio member of the Outreach Committee, chaired by Frits Agterberg, I was pleased that two of my PhD students, Andrew Bell and Martin Robinson and my postdoctoral Fellow Dr Antoinette Keaney, all current IAMG members, whilst presenting at the European Geosciences Union (EGU) in Vienna, April 2013 were able to assist Eduardo de Mulder at the joint IAMG and Earth Science Matters (with the International Lithosphere Program) stand. As a member of the Website Commission, I must emphasise the crucial roles that Harald Poelchau and Dan Tetzlaff within the Website Commission played this year with the migration of the hosting and maintenance of the IAMG website. In December 2012, when most of us were enjoying a seasonal break, I was copied into emails with the alarming news that the IAMG site was being used by hackers for illegal phishing activities. I would like to acknowledge the diligence of Harald and Dan in their decisive response to recover and ensure the integrity of the site that enabled the website to remain functioning. I also commend the members of the Website Commission (and in particular Harald and Dan) in the efficient migration of IAMG website to the new host, administered by Dragonfly.

### **2. Concerns and new initiatives as discussed at the IAMG Council Meeting August 10, 2012**

#### **(1) IAMG- Geological Surveys: IAMG's involvement in government programs**

As a partner in Tellus Border, an EU INTERREG IVA-funded survey project that has mapped the rocks, soils and streams of the six border counties of the Republic of Ireland using geochemical and geophysical techniques, I have had the opportunity to promote the role of spatial statistics and geostatistics in geosciences within government, industry and academia. The Tellus Border project (<http://www.tellusborder.eu/>) is a cross border initiative between The Geological Survey of Northern Ireland, the Geological Survey of Ireland, Queen's University Belfast and Dundalk

Institute of Technology. Research within the Project that is underpinned by mathematical geoscience (to be presented at the IAMG in Madrid) includes 1) The spatiotemporal remote sensed assessment of soil carbon and 2) The use of a compositional analysis approach to investigate soil geochemistry data. This collaborative research results from a very well received and successful visit to Belfast by Raimon Tolosana-Delgado 28th – 30th January 2013.

**(2) IAMG-Associations:**

**Links between IAMG and IUGS initiatives**

As Communications Officer of the IUGS – Initiative on Forensic Geology (IFG) (<http://www.forensicgeologyinternational.com/>) I have had the opportunity to promote the appropriate and robust use of GIS and geostatistics in forensic geosciences in collaboration with UK, European Forensic Science Regulators and law enforcement agencies worldwide. Following on from a successful IUGS-funded IFG training event in best-practice search methods with the Australian Federal Police (AFP) in conjunction with the IUGS Brisbane August 2012, where the attendees represented the AFP, Australian State Police from Queensland, Western Australia and Victoria, Brazilian federal police, Netherlands Police Agency and Japan Criminal Investigation Bureau, I will be involved in several other IUGS-IFG scheduled training events over the next few months: The Second Ibero-American Workshop On Forensic Geology with the Brazilian Federal Police, Brasilia, Brazil October 2-4<sup>th</sup> 2013 and the Russian Federal Centre of Forensic Science (RFCFS) in Moscow 22<sup>nd</sup> October 2013. These are opportunities to promote the role of geoinformatics in forensic geoscience.

**Proposal for 2014 Joint Statistical Meetings (JSM) Invited Session competition.**

I am pleased that Eric Grunsky as proposed Session Organizer and Jack Schuenemeyer, proposed Session Chair with colleagues (V Pawlowsky-Glahn , R Tolosana-Delgado, G van den Boogaart, J Egozcue, J McKinley and R Olea) have prepared a proposal on Statistical Analysis of Compositional Data for participation in the 2014 Joint Statistical Meetings (JSM) Invited Session competition.

I thank the Executive and Council for the opportunity to have been able to support the work of the IAMG during this last year.

Sincerely,  
Jennifer M. McKinley  
IAMG Executive Vice President

**Treasurer's Report for 2013/2014**  
distributed to Council on 16/08/2013

**David Collins – IAMG Treasurer**

see Appendix below

## **Secretary General's Report**

### **IAMG Secretary General's Annual Report by Frits Agterberg**

The Secretary General is a member of the Executive Committee. Care was taken of day-to-day IAMG affairs with the help of Regina van den Boogaart who runs the IAMG Office. These affairs included within-Council communication; liaison with Committee Chairs and our Publishers as needed; preparation of Council meeting minutes and annual report for IUGS; Earth Science Matters Foundation partnership; IAMG participation in International Year of Mathematics and International Year of Statistics; membership issues; meetings; booths; contributions to IAMG Newsletter and websites; preparation of plaques, certificates, etc. Last year, my main activity was to coordinate the transition from old to new Council with reorganization of IAMG governance and to moderate discussions within enlarged Council followed by voting. Most decisions are made within the Executive and the seven other IAMG committees. Council only deals with major issues. Enlarged Council consisted of about 30 people including the IAMG Committee Chairs. This year's list of 24 Council resolutions is given below.

Two relevant quotations from the IAMG Statutes to keep in mind and perhaps modify in future are: "The Council conducts the work of IAMG between ordinary meetings of the General Assembly in accordance with the Statutes, By-Laws, and recommendations of the General Assembly. The Council is empowered to suspend a By-Law temporarily, subject to approval of the General Assembly. ... Unless otherwise specified in the By-Laws, committee members remain in office until the end of the term of the voting members of the Council and are eligible for reappointment."

During the past year, practically all existing By-Laws dealing with committees were suspended. Two Committee Chairs (CCs) were reappointed. One CC agreed to serve for another year. Consequently, the IAMG now has five new CCs. We also have created five Commissions that supposedly exist for a limited period of time only.

#### ***List of IAMG Council Resolutions (August 2012- August 2013)***

- (1) 10/Aug/2012: The IAMG Distinguished Lecturer Committee and the Matheron Lecture Committee are to be combined into a single committee called the Lecturer Committee to be chaired by one of the IAMG Vice Presidents.
- (2) 10/Aug/2012: A new IAMG-Geological Survey Commission to be chaired by Yan Guangsheng will develop close ties between the IAMG and Geological Surveys worldwide to advance the use of geomathematics and geoinformatics within government organizations.
- (3) 10/Aug/2012: The new IAMG Website Commission to be chaired by Dan Tetzlaff will evaluate the existing IAMG Website and recommend any changes to be made in the way it is currently organized.
- (4) 10/Sep/2012: John Carranza will be the new Editor-in-Chief of Natural Resources Research.
- (5) 23/Nov/2012: The IAMG will continue its association with Elsevier as our Publisher of Computers & Geosciences. The new contract drafted by Elsevier (commencing on January 1st, 2013) can be signed by IAMG provided that there will be a separate agreement for the US\$10,000 of fixed annual royalties that is to be used for the

Computers & Geosciences research scholarships. Final wording of all articles in the main contract and scholarship agreement will be decided by the Publications Committee after consultation with the Student Affairs Committee.

- (6) 26/Nov/2012: John H. (Jack) Schuenemeyer replaces Jef Caers as Chair, Awards Committee. Julián Ortiz replaces Raimon Tolosana-Delgado as a Member of this committee. The terms of Jack and Julián will be 2012-2016. This resolution and following eight resolutions resulted from voting by Council on IAMG Committee/Commission composition completed on November 26, 2012.
- (7) 26/Nov/2012: Raimon Tolosana-Delgado becomes a Member of the Publications Committee that is chaired by Graeme Bonham-Carter.
- (8) 26/Nov/2012: Raimon Tolosana-Delgado replaces Jennifer McKinley as a Member of the Student Affairs Committee that is chaired by Helmut Schaeben.
- (9) 26/Nov/2012: Jennifer McKinley becomes Chair of the Lectures Committee (previously called “Lecturers Committee”). This new Committee replaces the Distinguished Lecturer Committee that was chaired by Sean McKenna and the Georges Matheron Lecturer Committee that was chaired by Qiuming Cheng.
- (10) 26/Nov/2012: Jennifer McKinley becomes Ex Officio – President’s Representative (non-voting) of the Meetings Committee that is chaired by Ricardo Olea.
- (11) 26/Nov/2012: Julián Ortiz replaces Maria-Theresia Schafmeister as Chair, Curriculum Quality Committee. It’s Ex Officio – President’s Representative (non-voting) is Vera Pawlowsky-Glahn.
- (12) 26/Nov/2012: Frits Agterberg becomes Chair, Outreach Committee. The Members of this new Committee are: Graeme Bonham-Carter, Zhijun Chen, Eric Grunsky, Harald Poelchau, Gina Ross and Faisal Shazad. It’s Ex Officio – President’s Representative (non-voting) is Vera Pawlowsky-Glahn.
- (13) 26/Nov/2012: It was decided to form a new Commission to be called the IAMG-Academia Commission with Julián Ortiz as Ex Officio – President’s Representative (non-voting).
- (14) 26/Nov/2012: It was decided to form a new Commission to be called the IAMG-Industry Commission with Raimon Tolosana-Delgado as Ex Officio – President’s Representative (non-voting). 19/Feb/2013: The proposed IAMG budget for 2013/2014 is accepted.
- (15) 19/Feb/2013: IAMG financial support of 2500 Euro is approved for CoDaWork2013 to be held in Vorau, Austria, 3-7 June, 2013.
- (16) 19/Feb/2013: The composition of the new Lectures Committee is as follows:  
Chair: Jennifer McKinley (U.K.)  
Members: Peter Atkinson (U.K.), Timothy Coburn (U.S.A.), Jaime Gomez-Hernandez

(Spain), Katsuaki Koike (Japan), Jean Serra (France), Sanjay Srinivasan (U.S.A.)  
Ex Officio – President’s Representative (non-voting): Vera Pawlowsky-Glahn.

- (17) 19/Feb/2013: Jennifer McKinley is replacing Vera Pawlowsky-Glahn as Ex Officio – President’s Representative (non-voting) on the IAMG Outreach Committee.
- (18) 19/Feb/2013: Antonella Bucciante is an additional member of the IAMG Awards Committee.
- (19) 17/Apr/2013: The IAMG Annual Meeting will be held in Freiberg, Germany. The proposal received from the Local Organizing Committee remains to be revised further. Final acceptance will depend on compliance with the new IAMG meetings strategy to be worked out during the next six months.
- (20) 17/Apr/2013: There will be a Meetings Strategy Commission to be chaired by IAMG Vice President Raimon Tolosana Delgado.
- (21) 17/Apr/2013: In accordance with 19/Feb/2013 Council Resolution on the IAMG Budget for 2013/14, three new types of IAMG Student Research Awards will be established. One award will be associated with each of the three IAMG journals. Guidelines and a single application form will be developed by the IAMG Publications and Student Awards Committees in consultations with the Editors-in-Chief. The new application form will replace the application form currently available on the IAMG website. The IAMG Office will direct completed applications to the appropriate selection committees.
- (22) 17/Apr/2013: Eric Grunsky will become Chair of the IAMG Publications Committee in September, 2013.
- (23) 01/Jul/2013: Council approved the establishment of a new IAMG Student Chapter at the Water, Earth and Environment center of the National Scientific Research Institute in Quebec, Canada.
- (24) 15/Jul/2013: Subject to minor editorial revisions, Council has approved revisions of the guidelines for organizing IAMG meetings. These new guidelines were prepared by the IAMG Meetings Strategy Commission chaired by Vice President Raimon Tolosana Delgado and will come into effect in 2015.

**Awards Committee**  
**Jack Schuenemeyer**

This report covers activities of the Awards Committee from Sept. 2012 when I became chair of the committee through July 2013.

Our main activity was to solicit and evaluate nominations for the Chayes Prize and the Vistelius Award.

We received four completed nominations for the Chayes Prize and chose Raimon Tolosana-Delgado as the winner. The nominator Eric Grunsky agreed to write a laudation and present the award at the 2013 meeting in Madrid.

We received four completed nominations for the Vistelius Award and chose Gregoire Mariethoz as the winner. The nominator Jef Caers agreed to write a laudation and present the award at the 2013 meeting in Madrid.

Travel expense reimbursement and Chayes Prize money, as described on the IAMG website were consistent with those of two years ago.

**Curriculum Quality Committee: Julián Ortiz**

This report covers activities of the Curriculum Quality Committee from Nov. 2012 when I became chair of the committee through July 2013.

The committee is composed by the following members:

Chair: Julián Ortiz

Members: Heinz Burger, Amilcar de Oliveira Soares, Michael Hohn

Ex officio – President's Representative (non-voting): Vera Pawlowsky-Glahn

The committee's goal is to select and accredit of short courses for professional development and courses for Master Degrees specializing in mathematical geoscience.

During this time, there has been no activity on the committee, as there has not been any proposed course.

## **Lectures Committee: Jennifer McKinley**

The following constitutes a summary of the work of the Lectures committee between September 2012- and August 2013:

### **1. Committee organization**

On 21st August 2012, the IAMG Council approved the resolution that the Distinguished Lecturer Committee and the Matheron Lecture Committee should be combined into a single committee called the Lectures Committee. Members of the two former committees agreed to serve on the newly formed Lectures committee and Prof Peter Atkinson was invited to join the committee. The composition of the 2012–2016 Lectures committee includes:

Peter Atkinson (UK)

Timothy Coburn (U.S.A.)

Jaime Gomez-Hernandez (Spain)

Katsuaki Koike (Japan)

Jean Serra (France) agreed to continue serving for 2012-2013.

Sanjay Srinivasan (U.S.A.)

Ex officio – President's Representative (non-voting): Vera Pawlowsky-Glahn (Spain)

Jennifer McKinley (UK) Chair

### **2. The George Matheron Lecturer**

Nominations were invited for the George Matheron Lecturer (GML) and following the nomination of two excellent candidates, Professor Peter Dowd was selected. The GML award will be delivered at the IAMG conference in Madrid. Professor Eulogio Pardo-Igúzquiza will introduce Professor Dowd and the President will present the Award.

Professor Roussos Dimitrakopoulos, has agreed to publish the Laudatio of the George Matheron Lecturer in Mathematical Geosciences and to do this for future GM Laudations.

### **3. The 2014 Distinguished Lecturer**

The IAMG Council suggested that the Distinguished Lecturer (DL) for a particular year should be completed before the IAMG Annual Meeting held during the previous year, so that the membership can be informed of topics of lectures and preliminary invitations to lecture can already be made. Nominations were invited for the 2014 DL and following the nomination of three excellent candidates, Dr Eric Grunsky was selected. This is within the recommended timescale suggested by Council. The 2014 DL will be announced and awarded at the IAMG conference in Madrid.

J McKinley and V Pawlowsky-Glahn have been in discussion with E Grunsky (as proposed Session Organizer), J Schuenemeyer, R Tolosana-Delgado, G van den Boogaart, JJ Egozcue, R Olea for participation in the 2014 Joint Statistical Meetings (JSM) Invited Session competition. The proposal is for an IAMG sponsored session on Statistical Analysis of Compositional Data.

## **IAMG Conference Madrid September 2013**

The committee has been corresponding with the Meetings committee to confirm details for the presentation of the ML and DL at the IAMG in Madrid (J McKinley acts as member of Meetings committee).

## Meetings Committee: Ricardo Olea

The following is a summary of most relevant business during the past year:

4. On 21 August 2012, Council approved the following composition for the 2012–2016 committee:

Jennifer McKinley (UK)

Christien Thiart (South Africa)

Jaime Gómez-Hernández (Spain)

Ricardo A. Olea (USA), Chair

By the committee guidelines

<http://iamg.org/index.php/publisher/articleview/frmArticleID/220/>, Jennifer is an ex officio member in her capacity of Executive Vice-President and Christien is an automatic voting member for being the IGC Councilor. Jaime, who served in the 2009–2012 Meetings Committee, agreed to continue serving.

5. Our committee worked together with the Awards Committee and the Lecturer Committee making sure that all details are taking care for the presentation at the coming conference in Madrid by the Matheron Lecturer and the bestowing of the Chayes Prize and the Vistelius Award.

6. Throughout the year, the committee provided advice and guidance to the organizer of the IAMG2013 and IAMG2014 conferences.

7. At the recommendation of the committee, Council approved a request from Peter Filzmoser (Austria) of 2,500 € to support the Fifth International Workshop on Compositional Data Analysis held in Vorau, Austria, 3–7 June 2013.

8. The committee received a request from Daya Sagar (India) of non-financial support for the one-week course “Spatial Statistical Tools in Data Processing and Analysis” held in Bangalore, India, 26–30 November 2012. Council approved the request.

9. In February 2013, the committee received a proposal to organize the IAMG2015 conference in Freiberg, Germany. The bid was well prepared, but was purposely crafted to force modifications in the guidelines intended to make a serious effort for turning the conferences into a significant source of income for IAMG, and to increase the involvement of the Association particularly by permanently lifting fiscal responsibility from conference organizers and by using the IAMG Office to take care of administrative matters. The bid was sent to Council with support for having the 2015 conference in Freiberg and reviewing the guidelines.

10. J. McKinley and R. Olea represented the committee at the Meeting Strategy Commission that ended amending the Guidelines to Organize IAMG Conferences to conform to aspirations of some IAMG members and to make possible acceptance of the proposal to organize IAMG2015 in Freiberg.

## **Outreach Committee: Frits Agterberg**

At the IGC in Brisbane, August 2012, Frits Agterberg presented “Outreach support for Earth Science organizations: the IAMG” at the Earth Science Matters Forum organized by Prof. Eduardo de Mulder. This meeting was attended by past IAMG President Vera Pawlowsky-Glahn and IAMG President Qiuming Cheng. Several points raised were as follows:

The IAMG is a professional multidisciplinary society. Its mission is to promote, worldwide, the advancement of mathematics, statistics and informatics in the geosciences. It is Scientific International Partner of the Earth Science Matters Foundation. IAMG enjoys outreach support it is receiving from Earth Science Matters in getting the message across that mathematics plays a fundamental role in geoscientific process modeling.

Processes taking place in the Present include those resulting in earthquakes, volcanic eruptions, landslides and climate change. IAMG scientists are also concerned with 3-dimensional imaging and modeling of the Earth’s crust that contains the products of processes, which took place millions of years ago. These products include accumulations of valuable substances necessary for the survival of humankind. An important question that needs to be answered in the study of Earth-related processes is: “***How reliable are Earth predictions?***”

We all know that weather forecasts have improved significantly because of better understanding of the processes that control weather as well as widely increased availability of databases with improved monitoring and sampling techniques. Additional scientific work involving mathematics is needed to make progress in the Earth prediction fields. Two examples of current research by IAMG scientists are (1) Compositional data analysis and (2) Local singularity analysis. These two topics were singled out for special consideration in the near future from among a list of IAMG potential special outreach topics that included: Mathematical resource modeling; petroleum basins and permissive tracts for mineral deposits; Spatial statistics: variograms and kriging; Geological hazards: Earthquakes and landslides; Geological time scale; Statistics of directional features; Climate change; and Hydrofracturing.

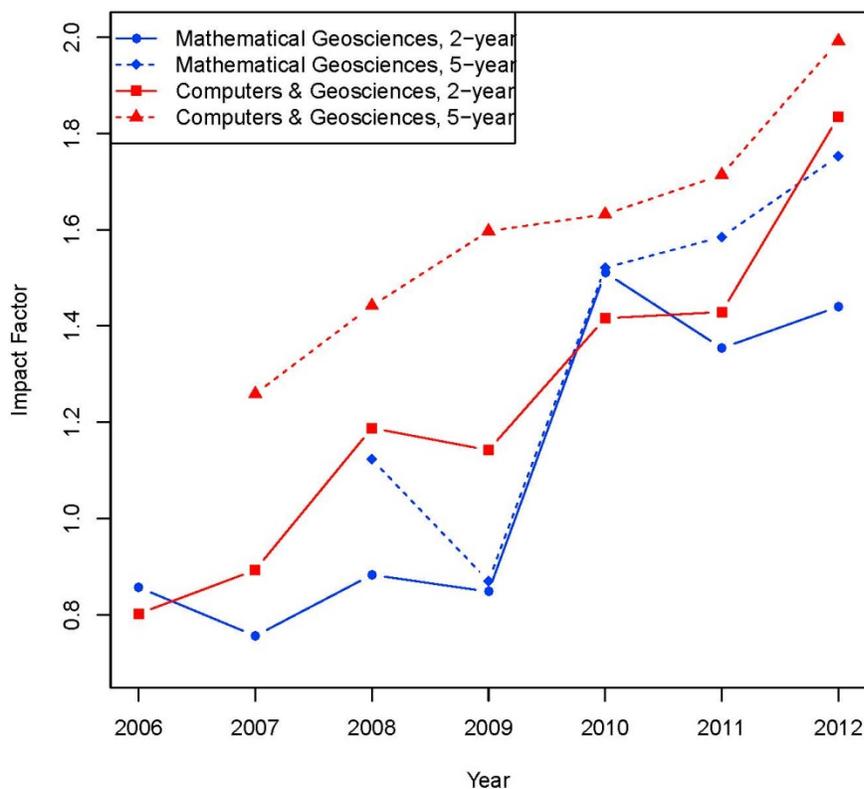
In addition to the IAMG booth originally prepared for Oslo IGC in 2008, a new booth was developed that is shared with Earth Science Matters and the International Lithosphere Programme. Our 2008 booth is put up annually by Ute Herzfeld at the AGU Fall meeting in San Francisco. The 2012 booth was first put up at the Brisbane IGC, and during 2013, at CAG24 in Addis Ababa, Ethiopia, and EGU in Vienna, Austria. It is also at IAMG2013 in Madrid.

Outreach in collaboration with Earth Science Matters is underway on “Compositional Data Analysis” to be followed by to be newly planned joint work on “Local Singularity Analysis”.

# IAMG Publications Committee Report Madrid, 2013

## Introduction Graeme Bonham-Carter, Chair

The Impact Factor (IF) for two of our journals, Mathematical Geosciences and Computers & Geosciences, continues to look very healthy, as shown in the graph.



The 2-year IF is the number of times papers published in the two previous years were cited in the year under consideration, divided by the total number of papers published in the two previous years. The 5-year IF is similar, except it looks at the number of citations and total number of papers published over the previous 5 years. Note that the 5-year IF values have steadily climbed and are greater than the 2-year IF data, at least for the past 3 years, for both journals. This means that papers in these 2 journals continue to be cited beyond 2 years—they have longevity. In general the 5-year data are smoother than the 2 year data—not surprisingly. Five-year IF values in 2012 of almost 2 (C&G) and 1.7 (MG) are very encouraging, indicating that, on average, each paper published in these journals between 2007 and 2011 inclusive was cited twice (or close to twice) in 2012. Although IF factors for many journals have been increasing, due to improvements in accessibility and awareness caused by digital availability and indexing, I

understand that the rates of increase for MG and C&G are greater than average. Our editors are to be congratulated.

Last year, John Carranza was appointed as the new editor-in-chief of Natural Resources Research. He has made significant changes to the editorial board and is bringing new energy to improving the standing of NRR. We still have not been able to achieve IF status—a chicken and egg situation (many authors do not publish in NRR because it has no official IF status), but we are hopeful that this will change in the future.

A major milestone for 2012-2013 was the completion of a new publishing agreement for C&G with Elsevier. The most significant change from earlier contracts is that the annual royalty (\$70,000, increasing for inflation) payment will now be paid on a fixed basis (not tied to sales), and that \$10,000 of the payment will go towards up to 4 annual Computers & Geosciences Research Scholarships. It was suggested to (and endorsed by) the IAMG Council that similar student awards be made for MG (3 at \$2,500) and NRR (2 at \$2,500). These latter two sets of awards are not dependent on Springer royalties, and will be paid out of IAMG general income. Considerable effort was spent in producing 3 sets of Guidelines (one for each journal) for this new system of student awards that replaces the old system of student awards. Katie Eve, the Elsevier publisher of C&G, played a significant role in putting together the C&G award guidelines, which were then used as a model for the other two journals. Two selection committees (one for C&G awards, one for MG and NRR combined) have been at work this summer, and the plan is to announce winners at IAMG Madrid. Our office manager, Regina van den Boogaart, has done an excellent job of creating an efficient online application form, and an online database that allows members of selection committees to read and score individual applications digitally. The Publications Committee has thus been (and will continue to be) involved with the Student Affairs Committee in the new student awards system, linked to our three journals.

At the Publications Committee meeting in Madrid, I am handing over the chairmanship to Eric Grunsky.

## **Mathematical Geosciences**

### **Roussos Dimitrakopoulos, Editor-in-Chief**

The report below is an update on production, the editorial team, and a summary of the journal's performance, concluding with comments for the future.

#### ***I. The Production Front***

As always, collaboration and working relations with Springer are excellent; as Dr. Chris Bendall, Senior Editor, Geoscience Division, moved on to other undertakings with Springer, Dr. Annett Buettner also a holder of a PhD in Geological Sciences, has taken on the role of Publishing Editor for our journal. In addition, Alan Sinclair, Production Editor, has also moved into a different role and has been replaced by Claudia Kehl. Both Annett and Claudia are based in Heidelberg and our collaboration is outstanding.

#### ***II. Publications Update***

*Mathematical Geosciences* published a total of 49 in 2012 and has published another 37 already in the six issues from this year. Book reviews were included in all but 3 issues in 2012, and have appeared in every issue thus far for 2013 (thanks to Denis Marcotte for keeping this in order).

***Please Note:***

**Both suggestions of books to review and volunteering to do the reviews continue to be needed AND are greatly appreciated.**

***Recent Special Issues***

2012:

44(2) New Developments in Subsurface Flow and Transport (Guest Editor: [J. Jaime Gómez- Hernández](#).)

44(4) Spatial Multivariate Methods (Guest Editor: Erik Grunsky)

2013:

45(5) Environmental Geostatistics (Guest Editor: [J. Jaime Gómez-Hernández](#) and Celine Scheidt)

45(8) Modern Mining Geostatistics - Dedicated to Dannie Krige (Guest Editors: V. Chamberlain, M. Thurston, G. Yates, E. Ribeiro, L. Allen, R. Dimitrakopoulos)

**III. Best Paper Ward 2012**

The Best Paper Award for 2012 selection is in progress and should be concluded by the time of the IAMG Conference in Madrid.

**IV. Performance Report**

As recently announced, the Impact Factor (Thomson Reuters) for 2012 is 1.440, with specific details given in Table 1. This is an improvement from last year's IF and an upward trend we expect to see repeated.

Please note that 357 sites for a journal publishing about 48 papers / year since 2009 is not insignificant particularly as cites refer only to papers in *Mathematical Geosciences* NOT *Mathematical Geology*.

<b>Total Cites</b>	357
<b>Impact Factor</b>	1.440
<b>5-year Impact Factor</b>	1.753
<b>Immediacy Index</b>	0.306
<b>Articles</b>	58
<b>Cited Half-life</b>	3.2

Table 1: Thomson Reuters reporting for 2012 (Source: Thomson Reuters Web of Knowledge).

The relative performance of the journal over the past year is summarized in Table 2, with comparative statistics given since 2009. Overall, positive trends have remained stable for a fifth consecutive year; we must ensure that they continue and this should not be taken for granted.

<b>Year</b>	2008	2009*	2010*	2011*	2012*
<b>Total Cites</b>	1182	47	147	234	357
<b>Impact Factor</b>	0.883	0.848	1.511	1.354	1.440

Table 2: Thomson Reuters reporting for 2008 - 2012 (Source: Web of Knowledge).

\*only *Mathematical Geosciences* (citations to *Mathematical Geology* are not included)

	2009	2010	2011	2012	2013*
<b>New manuscripts received</b>	146	141	138	174	160
<b>Average turnaround time :</b>	102	75	80.6	72.5	49.7
<b>Total reviewers invited</b>	431	391	370	409	563
<b>Days to complete review from</b>	59	56	52.9	38.6	33.8
<b>Rejections</b>	45%	51%	52%	60.4%	58.1%

Table 3: Summary statistics on MG's performance (\* January 1 to August 25th)

## V. Objectives for 2013 and Beyond

Increase the number of citations of papers published in MG since 2009 and reach and maintain an ISI factor above 1.5.

Further increase the amount of manuscript submissions to a healthy number over 200 per year.

Given the IAMG finances, increasing the number of institutional subscriptions is critical.

Increase the number of individual subscriptions.

Attract new, prominent colleagues to all of MG's activities.

Continue to facilitate the decreasing trend in average turnaround time.

Increase the use of integrated multi-media components (electronic supplementary file option available for authors).

**VI. “What can I do to help MG?”**

**Cite papers from Mathematical Geosciences (2010 and on) where it is warranted, as much as possible** - as we all publish in other Thomson Reuters (formerly ISI) indexed journals.

**Actively assist in attracting new authors** – young, promising scientists as well as new colleagues, in our established and/or related fields.

**Provide visibility to Mathematical Geosciences when and where possible** - add in a most visible place of your personal and/or institutional website “Mathematical Geosciences – an international journal” and a link to the website <http://www.springer.com/11004> and maybe also <http://cosmo.mcgill.ca/matgeo/>

**Assist in generating new collaborations** with other professional organizations as well as universities and research organizations.

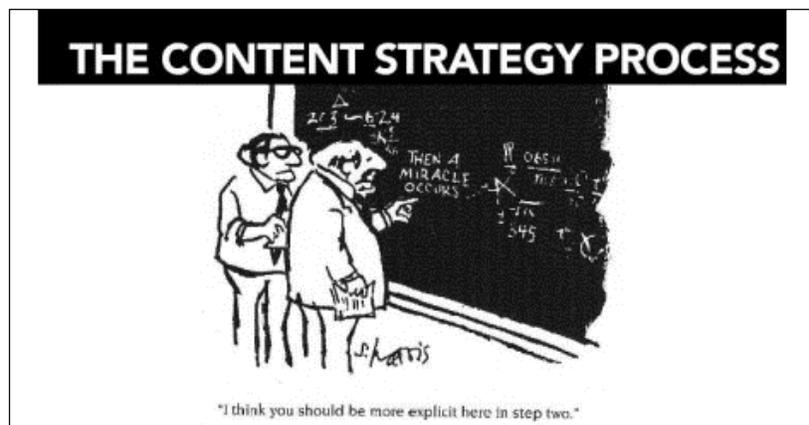
**Assist in new Special Issues** that assist expanding the journal to other related fields.

**Suggest areas for REVIEW PAPERS and Teaching Aids**

**• DOES YOUR INSTITUTION/LIBRARY SUBSCRIBE TO Mathematical Geosciences?**

Last but not least:

- **Not to worry**, the editorial team of the journal is developing strategies for the future:



# Computers & Geosciences Report

## Jef Caers, Editor-in-Chief

### Overview

Last year was again a banner year for Computers & Geosciences. The journal remains a dynamic magnet with influx of new readers, authors and editors. The journal keeps growing both in size and quality. In summary the following events can be listed:

- Increase in impact factor and overall citations
- Changes in Editorial staff
- Code via github
- Special issues
- Best-paper award
- Student grants

### Impact factor

2012 saw the largest change in impact factor in recent memory, moving the journal into a new category of journals. Consider the following numbers:

- 2012 1 year impact factor: **1.83** (previously 1.43)
- 2012 5 year impact factor: **1.99** (previously 1.75)
- 2012 total number of citations : **4660** (previously ~3500)

The increase can be solely attributed to increase in quality (not by other artificial means) of 2012 publications as evidence by the following analysis comparing the 2011 IF and 2012 IF

- 2011 IF of papers 1st year after publication (2010 papers) = 0.969
- 2011 IF of papers 2nd year after publication (2009 papers) = 1.772
- 2012 IF of papers 1st year after publication (2011 papers) = 1.449 (50% increase)
- 2012 IF of papers 2nd year after publication (2010 papers) = 2.301

Projections are for the IF to rise over 2.0 in 2013.

We often see increased impact factor as a result of a large drop in papers, which is not the case for CAGEO. Self-citations are also a possible source for inflated IF, but for CAGEO this is extremely low (~15%). What is perhaps most striking is the 77% increase in total citations in 2012. In terms of ranking amongst its cohorts, the journal went from a rank of 47/99 to 27/99 far exceeding other journals such as Computational Geosciences and others whose IF remained largely flat. Although in 2011 we saw a general increase in IF for Earth Science journals such as CAGEO, this was not the case in 2012 making the increase even more meaningful.

### Changes in Editorial Staff

Earlier this year, Michael Piasecki decided to leave the journal as co-Editor-in-Chief to move on to different challenges. In 2014, we will start to actively look for a replacement in the area of geoinformatics. We are looking for a senior person, with considerable standing in the community, a track record as Editor, a solid publication record. This search will be conducted jointly with Elsevier and IAMG.

Associate Editors leaving the Journal later this year

- Balazs Fekete, City College, New York for hydrology, hydrology & geoinformatics
- Stefan Kollet, Rheinische Friedrich-Wilhelms-Universität Bonn, Bonn, Germany, hydrogeology

Associate Editors joining the Journal

Edzer Pebesma, Westfälische Wilhelms-Universität Münster, Muenster, Germany,  
geoinformatics, environmental sciences, R

Top-notch replacement for Stefan Kollet, name to be released soon.

Suzanne Wechsler, California State University at Long Beach, Long Beach, CA, USA,  
DEM modeling, hydrology

Candan Gökçeoğlu, Hacettepe University, Ankara, Turkey, book review editor

I have started a new effort in increasing the diversity of the Editorial Board, meaning increase in female members and members of under-represented geographical areas. The following agreed to serve on the board:

Serhat Akin, Associate Professor, Middle East Technical University, Turkey

George Moridis, Deputy Program Lead for Energy Resources, Lawrence Berkeley  
Laboratory, USA

Mikhail Kanevski, Professor, University of Lausanne, Switzerland

Pauline Collon-Drouaillet, Associate Professor, University of Lorraine, France

Masanobu Shimada, Principal Researcher, Japan Airspace Exploration Agency, Japan

Helana Mitsova, Associate Professor, North Carolina State University, USA

### **Code via github**

The github site has proven a tremendous success. Authors now increasingly send their code to the journal via this repository based system. Last year 40+ repositories were forked to github. CAGEO is the only journal of its kind to use this system to distribute code making it very attractive for publication.

### **Scope & Special Issues**

The new scope introduced last year in June 2012 has now taken full effect. The scope change is mainly towards a focus on Computer Science. This means that papers now need to demonstrate originality in research in that area and that just providing some code based on a mostly methodology paper is no longer acceptable. Standard applications of GIS are no longer within the scope either. This does cause some confusion (and also problems) with a few authors, but most authors like the change in focus and there is clear increase in papers dedicated to this scope, increasingly from authors with considerable standing from renowned institutions all over the world.

Several special issues were published and/or are in the pipeline:

*Published:*

Ensemble Kalman filter for data assimilation

Volume 55 (2013)

Modeling for Environmental Change

Volume 53 (2013)

Benchmark problems, datasets and methodologies for the computational geosciences  
Volume 50 (2013)

Towards a Geoprocessing Web  
Volume 47 (2012)

*In the pipeline:*  
TOUGH Symposium 2012

Developments of Numerical Modelling in Quantifying Hydro-Environmental Impacts and Resource Assessment of Marine Renewable Energy Devices

### **Best paper awards**

In 2012, I received close to 800 submissions of which nearly 360 were published. In a renewed tradition, a call for nominations for best paper from readers of the Journal was initiated. A total of 12 papers were nominated. A committee of Editors and Board members voted to award the following two papers:

1. **“Stress Inversion Using Slip Tendency”** authored by John M. McFarland, Alan P. Morris & David A. Ferrill.
2. **“GeoTools: An Android Phone Application In Geology”**, authored by Yi-Hua Weng, Fu-Shing Sun & Jeffrey D. Grigsby

### **Student awards**

This item will probably be discussed in more detail in other reports. The new student awards are part of the new contract negotiations and the generous offer of Elsevier to support the IAMG in this matter. The call for abstract has resulted in 50+ applications that will now be judged by a panel of four members: Antonella Bucciante, Yongqing Chen, Peter Dowd & Peter Fox. Winners will be announced later this year, chaired by Katie Eve (Elsevier).

## **Natural Resources Research**

### **John Carranza, Editor-in-Chief**

In September 2012, I took over from Jerry Jensen as EIC of NRR. Jerry gladly led me through the learning curve for a new EIC. In the last issue of volume 21 (2012), Jerry announced the transfer of NRR's editorial responsibility.

My first goal was to reshape the editorial board and to have 'young blood' in it. The structure of the new editorial board is now similar to that of MG and C&G (see table below). Our new editorial board consists of internationally diverse members with expertise that adequately cover the current aim and scope of NRR (i.e., hydrocarbon, geothermal, water, and mineral resources as well as geomathematics). The new editorial board consists of old and new members, roughly

on a 50:50 proportion. The idea behind reshaping the editorial board is to engage the members, especially the associate editors, in the process of reviewing the articles submitted to the journal as well as in attracting high-quality submissions to the journal.

<b>Old editorial board composition</b>	<b>New editorial board composition</b>
Editor-in-chief	Editor-in-chief
Founding editor	Founding editor
Deputy editor	Deputy editor
Editorial advisory board (5)	Associate editors (6)
Assistant editors (20)	Editorial advisory board (19)
Book review editor	Book review editor (vacant)

Other changes that took place since I took over as EIC of NRR were:

Starting with 1st issue of vol 22 (2013), we have new journal cover (courtesy of Mario Gonçalves, new editorial advisory board member).

Since 7 February 2013, overall management of NRR at Springer will be done by Petra van Steenbergen, who is based in Dordrecht. She took over from Chris Bendall, who is based in Heidelberg.

As of March 2 2013, Fran Hein has agreed to replace Douglas Peters as the EMD Deputy Editor for NRR. When I was renewing the editorial board, Douglas asked to be replaced because of his new job and he then offered to find his replacement.

As reported by Keith and Jerry before, the first two issues of volume 21 (2012) total 299 pages. In contrast, the last two issues of volume 21 (2012) total 207 pages. So, volume 21 (2012) with 507-34 (pages-articles) clearly outnumbered that 5-year annual average of 328-25 (pages-articles).

The 1st two issues of volume 22 (2013) have 177-11 (pages-articles), comparable to the 2007-2012 5-year semi-annual average of 164-13 (pages-articles). The 3rd issue of volume 22 (2013) will contain six articles (totaling 92 pages). The 4th issue of volume 22 (2013) will feature regular articles and an article from EMD, our co-sponsor. EMD contributes to an issue of NRR bi-annually since 2007. Hopefully, the pages-articles published this year 2013 will be close to the 5-year average for 2007-2011.

It was possible to let each of the 1st two issues of volume 22 (2013) exceed the 2007-2011 5-year average of articles per issue (i.e., 6), but I have decided against that so that we can form a healthy number of online first articles. With that formed, even if we have few submissions in future, we will not run out of articles for an issue and we can publish every issue on schedule. In fact, both of the 1st two issues of volume 22 (2013) were published on schedule. And at the time of writing this report, we have 12 online first articles. That means we now have, for volume 22 (2013), sufficient number of articles to publish on schedule. An important factor that contributed to this improvement on the number of online first articles was the review period, which I managed to an average of about 2 months for the submissions after I took over as EiC. Thanks, of course, to the reviewers who had and gave time to review our articles within the allotted period.

During the period 01 September – 11 July, we had 63 submissions, 29 accepted and 27 rejected. Thus, on average, we currently receive 5-6 manuscripts per month. This is about double the average of 2-3 manuscripts received per month that was reported by EiC Keith Long in 2009-2011. The current acceptance and rejection rates are nearly the same at 46% and 43%, respectively. The latter is nearly the same as the 44% rejection rate reported by EiC Keith Long in 2009. We certainly will strive to increase our rejection rate as the number of submissions increases, so that we can focus more on quality rather than quantity so long as we have a healthy number of articles not yet assigned to an issue.

I plan that as the number of online first articles increases and as the number of submission increases, we will increase the number of articles per issue in the years to come although I will discuss this with Petra van Steenberg. For 2014, I told Petra that the page budget will remain the same as for 2013.

In terms of NRR's impact, the number of citations of articles in the journal was increasing during the 5-year period 2007-2011 (see table below). However, the number of articles with no citations varied between one and 15, which is not impressive. The 5-year period 2007-2011 averages of impact factor metrics for NRR were SJR of 0.438 and SNIP of 0.968 but we don't see a clear trend for these metrics. Regardless, we certainly need to improve on these numbers.

Year	No. of articles	Citations	% not cited	SJR	SNIP
2011	29	477	51.72	0.424	0.945
2010	22	449	9.09	0.359	1.044
2009	23	372	17.39	0.355	0.641
2008	23	293	43.48	0.566	1.016
2007	28	205	17.86	0.487	1.195

(From Scopus, data as of 24 April 2013)

Like the EICs before me, I aim for NRR's recognition by the Institute for Scientific Information (ISI). To achieve that we need to improve on the main criteria considered for ISI recognition, which include publication standards, editorial content, international diversity and citation data. I have discussed on this matter in my editorial for the 1st issue of volume 22 (2013). Per discussion with Petra van Steenberg on the current impact factor metrics of NRR, we have decided to wait until 2014 before putting another application for ISI recognition.

The next matter I want to focus on, which may help toward ISI recognition, is the publication of special or thematic issues. There's nothing yet to report on this matter, but hopefully there will be for the next reporting period.

## **IAMG Studies In Mathematical Geosciences (SMG)**

### **Jo Anne DeGraffenreid, Editor**

P.J. Lee's *Statistical Methods for Estimating Petroleum Resources*, SMG No. 8 (2008) is still the most recent monograph in the Oxford University Press (OUP) IAMG series, **Studies in Mathematical Geosciences**. By July 2012, according to OUP, 298 copies had been sold. To date since that time an underwhelming additional nine copies have been sold. Of the in-print SMG

monographs (four out of eight in total), only 14 copies have been sold to date since July of last year.

As the repeatedly delayed submission of the completed SMG No. 9 manuscript and prolonged contractual matters regarding SMG No. 9 dragged on, communication became largely limited to that between the publisher and the author. Although the editor was copied on correspondence, no action was required or expected.

Neither was the SMG Editor included in whatever decision may have been reached with regard to "clarifying the agreement" between OUP and the IAMG for publishing the monograph series. OUP Editor Phyllis Cohen and the IAMG SMG Editor discussed the need for drawing up a new agreement in 2009 or earlier. IAMG officers and committee chairpersons were brought into the discussion to generate a new agreement, but whether the situation was resolved is unknown to the SMG Editor.

Upon request, OUP provided the following information about IAMG monographs during the period July 15, 2012–July 15, 2013:

Oxford University Press continues to be pleased with our partnership with IAMG for the **Studies in Mathematical Geosciences** series. We are expecting to receive the final manuscript for the next book scheduled to publish in the series, *Principles of Mathematical Petrophysics* by John Doveton from the University of Kansas, on September 1. This will be the 9th book in the series. While an official publication schedule will be shared with Jo Anne DeGraffenreid once the book begins production, we expect the book will publish next summer.

Below is a listing of the books in the series and the number of copies sold from publication to date.

1. **Use and Abuse of Statistical Methods in the Earth Sciences**, by William B. Size, Ed., 1987 – 1,509 copies sold. Out of print

2. **Oil and Gas Forecasting: Reflections of a Petroleum Geologist**, by Lawrence J. Drew, 1990 – 642 copies sold. Out of print.

3. **Geostatistical Glossary and Multilingual Dictionary**, by Ricardo A. Olea, Ed., 1991 – 803 copies sold. Out of print.

4. **Techniques for Determining Probabilities of Geologic Events and Processes: A Review**, by Regina L. Hunter & C. John Mann, Eds., 1992 – 722 copies sold. Out of print.

5. **Computers in Geology: 25 Years of Progress**, by John C. Davis & Ute Christina Herzfeld, Eds., 1993 – 656 copies sold. Available in print.

6. **Modern Spatiotemporal Geostatistics**, by George Christakos, 2000 – 1,020 copies sold. Available in print. [1 copy sold since July 2012. JAD]

7. **Geostatistical Analysis of Compositional Data**, by Vera Pawlowsky-Glahn and Ricardo A. Olea. 2004 – 478 copies sold. Available in print. [4 copies sold since July 2012. JAD]

8. **Statistical Methods for Estimating Petroleum Resources** by P.J. Lee, 2008 – 307 copies sold. Available in print. [9 copies sold since July 2012. JAD]

Note added by GB-C based on an e-mail dated 17 Aug 2013 from the publisher, Phyllis Cohen: Number 8 (P.J. Lee) has been translated into Chinese and is now available.

## **Newsletter and Website Report**

### **Harald S. Poelchau, Editor**

#### **IAMG Website**

Our website has a new face. At the end of June we were able to go live with a newly migrated Association website. As Daniel Tetzlaff summarizes in his report to the Executive (see below) we had to make major changes because unreasonably high costs of our previous server and because our website was hacked and used for nefarious banking transactions.

The IAMG Website Commission, established at the Council Meeting in Brisbane in September 2012, was instrumental in deciding what steps to take in making the website more economic and more secure. The commission, consisting of Gerald van den Boogaart, David Collins, Eric Grunsky, Jennifer McKinley, Daniel Tetzlaff (chair) and the website editor, discussed a number of options for the future of the website and finally agreed to move the website from the expensive host server Interspots to Dragonfly, our longtime website design and IT contractor.

Despite assurances that a migration of the website and its content would be unproblematic, easy and quick, the process from agreement with Dragonfly to completion took about six months and cost \$1275. While Dragonfly accomplished the migration with a slight redesign of the site and migration of the content, it took me more than 40 hours to correct the formatting of content, relinking of pages, and repairing various other mishaps. Daniel was also involved in editing and helped greatly in guiding the effort.

The result of all this work is a better, more streamlined website which is noticeably faster, more secure, less expensive.

Dan Tetzlaff's summary report of July 1, 2013 to the Executive Committee:

*As you might already know, the IAMG main web page (<<http://www.iamg.org>>) has been moved to a new host that came on line last Friday. For practical purposes, you may have only noticed a change in the color theme of the main page, and if so, I am delighted. Behind the scenes, much more has changed. The page now resides on a different host (namely a different computer), which should bring the following benefits:*

- 1. Lower hosting costs, from \$2,200 per year (not including maintenance) to \$600 per year (including maintenance). Although there are some up front migration costs that may make the difference less striking during the first year, the difference is still very favorable in the long run. Treasurer David Collins can provide more details.*
- 2. Improved security. The site is harder to hack. The loophole that allowed outsiders to conduct probable illegal phishing activities using our site last year, no longer exists. While no site is completely hacker-safe, our site is much safer now than the old site was, and is actively*

*maintained for continuous security improvements.*

*3. More control and flexibility. Through the use of the current version of a popular website builder, many people with only basic web knowledge, if given proper access, would be able to add and edit pages, modify menus, and upload content. Therefore, we are much less dependent on highly paid professional developers.*

*4. Better scalability for mobile devices. The new page is easier to read on smaller screens because it scales automatically better than the old page did.*

*5. A purposeful effort was made to retain the main look, feel and structure of the original site.*

*6. The authority for the domain name (which includes the ultimate authority to rehost the site) has been given to the IAMG Treasurer by updating the information held by the Registrar (Network Solutions). It was previously held by Eric Grunsky, founder of the IAMG website, who has done an impressive amount of work for the site throughout the years but had correctly indicated that he no longer was the person who should be responsible for the domain name registration.*

*The new page may still have some errors, such as broken links or other issues. However, I have verified that it has much fewer such errors than the original page did. We will try to continue to improve the page in the next few months. If you discover any problems, please contact Harald or myself.*

*While much of the migration work was done by Dragonfly, there was also a huge amount of work done by Harald, and to a lesser extent myself and the rest of the Website Commission, to achieve the migration in a timely manner.*

## **IAMG Newsletter**

As in previous years, two Newsletters were produced and mailed (#85 in December 2012 and #86 in June 2013). Both contained 16 pages each. The procedure of editing and layout in Dallas, and printing a pdf in Freiberg (Germany) and mailing it from there, which we tried first in 2012, has worked out very well and is going to be continued. Regina van den Boogaart of the IAMG office in Freiberg has done excellent work and is to be commended. The Newsletters are also available for downloading from the IAMG website.

## **Student Affairs Committee: Helmut Schaeben**

We received annual reports from our Student Chapters (in alphabetical order) in

Enschede (Twente), Netherlands,  
Freiberg, Germany,  
Guangzhou (SYSU), China  
Nancy, France,  
Stanford, CA, USA,  
Wuhan (CUG), China,

i.e. a total of six reports.

We did not receive anything from Boulder and Szeged, respectively. The preliminary conclusion is that these chapters do not exist anymore.

The initial reports from Enschede, Guangzhou, and Wuhan were so poor that I asked them to complete and revise them. Therefore, there are versions numbered in chronological order.

The overall impression is that it is an effort to set up a student chapter, and that it is an even more demanding effort to keep a chapter going at high standards. It seems that the enthusiasm of the founders is hard to maintain and perpetuate. In particular, the chapters' original scientific activities are hard to recognize and judge, if they exist, and this is to some extent true for all chapters.

**Enschede** essentially reports social and public relations activities. The only scientific activity reported concerns IAMG distinguished lecturer's "lecture", where it remains unclear whether it is a one hour or a one day lecture. The initial financial report was sort of iffy; the revised report clarifies the details. Nevertheless, if it was actually a one hour lecture, then 873 US\$ would render it an expensive lecture. The future activities and the corresponding application for renewed recognition and continued funding need substantial detailing before granting.

**Freiberg's** report seems unbalanced with respect to social vs. scientific activities. Finally, after more than three years they managed to publish the proceedings of their 2nd International Workshop on Mathematical Geosciences (MATGEOS) in 2009 and are very proud of it. At least, it must have been quite an experience. The student chapter and its activities will be integrated in IAMG'2015 in Freiberg. Their short courses are largely appreciated by students of TUBAF. In conclusion, the report is acceptable.

**Guangzhou** reports 11 most important activities, the content of the 8 academic / scientific activities is not very clear, in particular it is not at all clear to which extent mathematics, statistics, numerics, informatics were involved. Their development plan needs substantial revision before recognition as an official IAMG student chapter. They do not apply for any financial funding, which may be just a simple omission by mistake.

**Nancy** is informative and clear, no question that they deserve recognition and that they should receive funding if they will apply one day.

**Stanford** is informative and clear, no question that they deserve recognition and funding.

**Wuhan**'s report is informative with respect to what members of the student chapter do, but much less informative with respect to the chapter's original activities. Plans for the future remain vague; they spent and want to spend most of the financial grant to travel to attend conferences. Before renewed recognition and continued funding they should detail the chapter's original activities and be asked to describe what they think are genuine tasks of a student chapter.

Most enjoyable, there is a

new IAMG student chapter at the Water Earth and Environment Center of INRS – ETE at Quebec City, Canada,

and there may be another

- new IAMG student chapter at Instituto Superior Técnico<sup>1</sup> (Technical University of Lisbon, Portugal), for which the decision is still pending. If possible, we should follow David Collins suggestion and accept the application and formally recognize them as IAMG student chapter.

Finally, I would like to suggest deviating from the initial schedule and nominating two new members for the student affairs committee to improve its performance.

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## **IAMG Website Commission Report**

**Dan Tetzlaff**

July 12, 2013

### ***Background***

The IAMG Website Commission was created in 2012 by a resolution of the incoming Council, that stated: "An initial objective of the commission will be to reduce server / developer costs (InterSpots / Dragonfly) but other aspects including new outreach content and website design are to be considered as well."

"InterSpots" was the provider of hosting services for the IAMG website. The IAMG was paying over an amount deemed to be excessive (see below) for their service. "Dragonfly" was the provider of development and maintenance services.

### ***Tasks***

The Commission undertook several tasks during 2012 and 2013, as follows:

#### **1. Evaluation of hosting and development services and costs**

The Commission considered that the status quo of the main website was not a viable alternative. We were paying CDN\$ 2,200 per year to Interspots for hosting only. This did not include any maintenance of the web site itself. Our content was properly maintained by our Editor (Harald) but the site (software, security, backups, etc.) was not. There is a huge number of possibilities and thousands of vendors for creating and maintaining a large website. Some discussion of the considerations that this Commission went through is in order.

Through online discussions, the Commission distanced itself from the possibility (once strongly considered by the previous Executives, including myself) of hiring a company that does *everything*, including maintaining and editing the content. This would have been a company that takes full responsibility and "possession" of our website. We consulted one such company ("Two Roads Media"). Our editor would have to phone them or email them every time a change is needed. The cost looked reasonable at the time (US\$ 3,500 for the first year, and US\$ 750 per year thereafter, which in the long run may have compared favorably to today's CDN\$ 2,200 per year plus maintenance). But we already had better and less expensive options before us. There were also questions about the initial reliability of a completely new site and unknown vendor (as a total rewrite from scratch would have been necessary).

We also discarded the "super-cheap" alternatives. We could get hosting for free or for less than \$10 per month, and we could, for example, hire a student to use open website building software and move the content. The problem here is that generally "you get what you pay for". A free or ultra-cheap hosting service can shut down any time without notice. Somebody has to supervise the developer, and more importantly check (and most likely correct) the result. Checking and fixing a newly redeveloped site can be (and has been) a problem even when hiring a professional developer, so a cheap unprofessional one would probably be far worse and cost the IAMG much more in time and money in the long run than what we save.

The Commission also agreed that for the initial step and possible rehosting, only the main site (iamg.org) would be considered, while the membership site (iamgmembers.org) would remain independent and under the control of the IAMG office. While there may be merits in unifying both sites, the Commission decided to honor the previous decision of the task force that created the membership site, and keep it independent for the time being. As circumstances change, it may be a good idea to review this decision in the future.

Finally we also placed a high value on a good business relationship with the providers. We had minor problems with previous providers, such as Dragonfly, but at the same time many of us know the developers personally and can call them and insist upon points important to us. That is often not possible with major companies that have standard rates, standard services, and do not allow contacts between customers and developers, requiring instead that requests go through trained "representatives".

The Commission attempted an objective approach by generating an "RFP" (Request For Purchase) document detailing the needs of the site, with the intention to send it to many providers and obtain a series of quotations. While the document was roughly completed (it is posted on the Website Commission Forum and available upon request from the Council to any Commission member), it has not yet been sent. This task is still on the Commission's desk. One of the problems is that major hosting companies that sell large volumes of hosting services (such as JustHost, which hosts well over one million sites) do not bother to answer such requests and conduct all business automatically online. Another problem is that there are many intangibles, such as the complexity of our content, which is hard to place in a short document. In the face of uncertainty, most providers will increase the cost to cover for the unknown, whereas providers who already know the site may be more objective. Nevertheless, as a way to compare our current services with others, it may be a good idea to send this document.

In December 2012, an unexpected event occurred while these discussions were taking place. The hosting provider (InterSpots) informed us that our site was being used by hackers for illegal phishing activities targeting customers of Bank of America and other banks. This was a serious problem, as it could have led to the involuntary closing of our site if no action had been taken. Dragonfly was still the de-facto maintainer of the site so we consulted Dragonfly, while simultaneously requesting quotes for migration to a different host and possibly hosting as well. We also consulted with InterSpots to ask if they were willing to reduce their hosting costs. We also consulted with InterSpots to ask if they would agree to a reduction in their hosting costs.

These consultations resulted in two alternatives for a temporary next step:

Option 1: Accept Dragonfly's offer to both host and maintain the site. This would cost \$600 per year including daily backups, security upgrades and maintenance (there was an alternative of \$300 per year without backups and security, but that was considered too risky). Initially, Dragonfly did not mention the need for redeveloping or for an associated up-front cost, but later they clarified that there would be an up-front cost for redevelopment. This is reasonable as a substantial amount of redevelopment is necessary to migrate an old site and fix important security loopholes. In summary, the cost of this option is CDN\$ 600 per year plus up-front costs.

Option 2: Let Interspots host the site, and Dragonfly move it and maintain it. Shared hosting by Interspots costs CDN\$ 570 per year (as opposed to CDN\$ 2,200 that we were paying for dedicated hosting, which was a service we did not need). The cost of moving the site to the shared server could not be assessed exactly, but it could not have been less than the cost of moving it to Dragonfly's own server. To this we still have to add maintenance, of the order of \$25 per month (whether by Interspots or anybody else). In summary then, about \$870 per year plus up-front similar to those of Option 1.

The Commission decided for Option 1. Neither of these options encompasses the broad search for providers we were originally envisioning, but the chosen option solved both the immediate security problem as well as one of the original goals of the Commission "to reduce server / developer costs".

## **2. Security enhancements**

Dragonfly took immediate action to improve the security of the old site. Additionally they improved the security in the new site. The loophole that allowed outsiders to conduct probable illegal phishing activities no longer exists. While no site is completely hacker-safe, our site is much safer now than the old site was, and is actively maintained for continuous security improvements.

## **3. Transfer to a new host**

The IAMG main web page was moved to a new host administered by Dragonfly and was put on line on Friday, June 28, 2013. For practical purposes, most users should have only noticed a change in the color theme of the main page. Behind the scenes, however, much more has changed. The move and redevelopment also resulted in the following benefits:

- a. Lower hosting costs (as mentioned in point 1. above), and including maintenance in the new lower cost. Although there are some up front migration costs that may make the difference less striking during the first year, the difference is still very favorable in the long run. Treasurer David Collins can provide more details.
- b. Improved security. See point 2. above.
- c. More control and flexibility. Through the use of the current version of a popular website builder, many people with only basic web knowledge, if given proper access, would be able to add and edit pages, modify menus, and upload content. Therefore, we are much less dependent on highly paid professional developers.
- d. Better scalability for mobile devices. The new page is easier to read on smaller screens because it scales automatically better than the old page did.
- e. A purposeful effort was made to retain the main look, feel and structure of the original site.
- f. The authority for the domain name (which includes the authority to rehost the site) has been given to the IAMG Treasurer by updating the information held by the Registrar (Network Solutions). It was previously held by Eric Grunsky, founder of the IAMG website, who has done

an impressive amount of work for the site throughout the years but had correctly indicated that he no longer was the person who should be responsible for the domain name registration.

The new page may still have some errors, such as broken links or other issues. However, it has much fewer such errors than the original page did. We will try to continue to improve the page in the next few months. If you discover any problems, please contact Harald or myself.

While much of the migration work was done by Dragonfly, there was also a huge amount of work done by Harald, and to a lesser extent myself and the rest of the Website Commission to achieve the migration in a timely manner.

#### **4. Implementation of an IAMG Archive**

A preliminary IAMG archive was implemented at <http://archive.iamgmembers.org> . This is simply a web page accessible by password to which the Council will be granted read-only access, and the Archivist read/write access. The user name and passwords will be distributed separately. This is a very simple, no-cost version of an archive where the Archivist can upload files into a tree structure, and the Council can download them. It was developed on the basis of a simple list of requirements provided by the Archivist. The intention is to provide an initial experimental platform for an archive, which can later be modified and improved according to need. Better software for archiving is available, but it may be costly, harder to maintain and it is unclear what features the Council will require. A simple no-cost initial alternative is the best way to start to clarify what works and what doesn't, so that better requirements can be defined.

An archive may evolve into a full blown office online available to the Council and Committees. This however, will take time and money, and exceeds the temporary nature of this IAMG commission. Nevertheless it may be important for the future of the IAMG to continue to explore the possibilities.

#### ***Conclusions***

While the Commission may not have completed all tasks related to its goal, it has accomplished the main initial objective to drastically reduce hosting costs and provide adequate maintenance for the main site. In the process, the appearance of the web site was enhanced, security was upgraded, and an initial IAMG Archive was created.

Per the IAMG Statutes "a commission is a task force to deal with a short-term need". I believe that after a period of almost one year most (though not all) of the short-term needs have been addressed by the Commission. Therefore, I will step down as Commission Chair and Commission member effective September 1, 2013. This does not mean that the Commission should cease to exist. I understand it will be up to the Council to evaluate the ongoing need for the Website Commission and make an appropriate decision. I will continue to be available to the IAMG Council and the Website Editor as a volunteer whenever there is a need related to the IAMG website in which I may be able to help.

I thank the IAMG Executive and Council for supporting and trusting the Website Commission in the many technical decisions and coordination efforts that were necessary to achieve this goal.

Sincerely, Daniel M. Tetzlaff  
IAMG Website Commission Chair

## **Meeting Strategy Commission: Raimon Tolosana Delgado**

### **Guidelines to organize IAMG conferences**

Approved by the Executive Committee on February 1995

Reviewed by Council June 7, 1999

Amended by Council, August 27, 2009

Amended by Council, February 17, 2010

Text submitted for Council approval by the Meetings Strategy Commission, June 2013

### **Articles**

#### **I. General aspects**

1. The annual conference is the most important event organized by the Association. The IAMG shall encourage all members and other quantitative geomodelers to attend the conference, particularly those in the host and neighboring countries.
2. The official name of the annual conference shall be "The n-th Annual Conference of the International Association for Mathematical Geosciences" or "IAMGyyyy" for short, where yyyy denotes the year. The conference shall normally be held in June–November. A separate annual meeting shall not be held in years of an International Geological Congress.

#### **II. Proposals and site selection**

3. The IAMG shall request proposals to host IAMG conferences via the IAMG newsletter and the IAMG website. Applications should be submitted to the IAMG Meetings Committee. The deadline for proposals shall be in January, February or March of two years preceding the year of the conference (e.g. January–March 2015 for a meeting to be held in 2017).
4. The proposal shall include the name of a Conference Chair who shall be the official representative of the conference organizers to the IAMG Council and shall serve as the head of the conference organizers.
5. The proposal shall identify any institutional partners. Any geosciences institute, association, university, or other conference center in the world may serve as an institutional partner hosting the Annual Conference. The International Association for Mathematical Geosciences along with the institutional partner(s) shall be the main sponsors of the conference.
6. The proposal shall include the name of members for an Organizing Committee consisting of the Conference Chair, a Local Organizing Subcommittee and a Scientific Subcommittee, all of whom must have agreed to serve. The Local Organizing Subcommittee shall make all decisions related to local arrangements for the conference. The Scientific Subcommittee shall advise the Organizing Committee in technical matters such as selection of sessions and review of abstracts for the purpose of acceptance or rejection of presentations for inclusion in the technical program.

7. Other important aspects of the proposal shall be: (a) general description of the site and hosting institutional partner(s), (b) the scientific program in as much detail as possible, (c) plans for publication of proceedings in digital and/or paper format, (d) dates for the conference, (e) descriptions and capacities of facilities to be used, (f) general information about accommodations, (g) letters of support, (h) a conference budget and (i) in case of a conference revenue surplus, a plan for subsequent distribution of that surplus between the IAMG's general fund and a fund dedicated for use by the Organizing Committee.

8. The IAMG Council shall consider all proposals received before the published deadline and render its decision to the applicants within two (2) months of the deadline for receipt of proposals. Selection of the site for an annual conference shall be made based on recommendations from the Meetings Committee and a comparison of the overall quality of proposals, considering all of their elements. Before rendering a final decision, Council may ask for clarifications or amendments to proposals. The IAMG reserves the right to reject all proposals, or decide not to hold an annual meeting in a given year.

### **III. The Program**

9. The organizers shall distribute a first circular of the conference at least 12 months prior to the opening day. The IAMG shall assist in promoting the event.

10. While the core of the program shall be the technical sessions of oral and poster presentations, the IAMG strongly encourages the Organizing Committee to include a series of workshops and short courses as a part of the conference. The technical program should also include field trips and plenary sessions by the major award winners in the year of the conference (Krumbein Medal and Griffiths Award in even years, or Chayes Prize and Vistelius Award) and the Matheron Lecturer.

11. It is expected that all members of the IAMG Executive Committee and the Newsletter Editor shall attend the conference. Based on available external financing and available IAMG funds, partial to full travel expenses (registration, travel, lodging, and meals) shall be reimbursed by the Association. In addition, the IAMG shall invite to the conference all major award recipients scheduled for presentation at the conference, with full expenses paid by the Association. In exchange, each awardee shall deliver a keynote lecture and submit a written version of it to the Organizing Committee. Similar responsibilities and reimbursement of expenses shall be provided to the Matheron Lecturer.

### **IV The Finances**

12. The conference budget shall indicate, in as much detail as possible, sources of revenue and expenses. The budget must also account for tax liabilities, in accord with the host country tax laws. It should demonstrate efforts to control costs and make the conference a source of income for the Association. The budget shall be the basic document to regulate transactions between the

Association's general fund account and the bank account of the Organizing Committee. The Association shall commit to finance the conference according to the items listed in the budget and up to the amounts agreed upon as part of the expenses. Both the Organizing Committee and the IAMG shall make their best effort to secure sources of income through registration fees, donations, exhibition fees, additional sponsorships, and grants. The Organizing Committee shall not be liable for a shortage in revenue.

13. The Annual Conference should recognize the benefits of belonging to the IAMG and encourage new membership. Therefore, registration fees for nonmembers of the IAMG should be set higher than that for members. Nonmembers should be offered the option of joining the IAMG at the time of registration, and registering for the conference at the member rate.

14. Revenue, such as registration fees, shall be collected for the IAMG through the IAMG Office using procedures similar to those used for collection of member dues.

15. The Organizing Committee is responsible for funding all local expenses related to the conference. The IAMG Treasurer shall transfer funds to the Organizing Committee's bank account as needed to cover expenses in the approved conference budget and shall pay for IAMG Office expenses directly.

16. Organizing Committee expenses in the budget may include but are not necessarily limited to: facility rentals, conference materials, meals (in particular, a conference dinner), special local activities/entertainment, technical support, honoraria, website development and maintenance, and general organizing expenses. Any unforeseen expenses or increases in prices of items appearing in the original budget subsequent to its approval must be submitted to the IAMG Council for approval before the Treasurer shall release funds to cover those expenses.

17. The Organizing Committee shall maintain a file of invoices and receipts for all bills and shall transmit copies of all receipts to the IAMG Treasurer as bills are paid. Twice a year between approval of the conference proposal and opening of the conference, on July 31 and January 31, the IAMG Treasurer and the Conference Chair shall submit a financial statement to Council.

18. Within three (3) months of the end of the conference, the Organizing Committee together with the IAMG Treasurer shall submit a final financial statement to Council for IAMG approval. Once all necessary tax forms and payments (if any) have been filed with the host country, the Organizing Committee shall close its account and the Chairperson shall transfer all files of invoices and receipts, along with all bank statements from the account, to the IAMG Treasurer. At the conclusion of conference business, any surplus funds remaining in the account of the Organizing Committee shall be transferred to the IAMG general funds.

19. If the final financial statement shows a net excess of income over expenses, the IAMG Treasurer shall set aside a share of the net revenue, at least as large as designated in the approved

proposal, for use by the Organizing Committee in ways that are related to mathematical geosciences and consistent with the mission of IAMG. The Conference Chair, after consultation with the Organizing Committee, shall report the intended uses to the IAMG Treasurer. The Treasurer shall arrange with the Conference Chair for distribution of funds for the intended uses.

#### **V. Amendments**

20. A simple majority vote of the Council shall be necessary and sufficient to amend these guidelines.

#### **VI. Transitory provisions**

21. These guidelines shall be reviewed after the IAMG conference of 2018.

## **Appendix**

Financial Information submitted by IAMG Treasurer David Collins

INTERNATIONAL ASSOCIATION  
FOR MATHEMATICAL GEOSCIENCES

Treasurer's Report  
David Collins

September 1, 2013  
Madrid, Spain

INTERNATIONAL ASSOCIATION FOR MATHEMATICAL GEOSCIENCES

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USbancorp Investment Statement, Chayes Fund, June 30, 2013

USbank Bank General Funds Checking Account Statement, June 30, 2013

USbank Bank General Membership Checking Account Statement, June 30, 2013

Budget for 2014

INTERNATIONAL ASSOCIATION FOR MATHEMATICAL GEOSCIENCES  
2013 Treasurer's Review

Assets:

US Bank Bancorp Investments:

General funds	\$1,055,560.90	(June 30, 2013)
Chayes funds	\$102,719.03	(June 30, 2013)

US Bank checking accounts:

General funds	\$ 60,002.49	(June 30, 2013)
Membership account	\$ 3,281.48	(June 30, 2013)

PayPal account \$ 6,289.71 (June 30, 2013)

TOTAL \$1,227,853.61

Five year net assets history:

December 31, 2008	\$672,465
December 31, 2009	\$855,658
December 31, 2010	\$969,233
December 31, 2011	\$1,006,836
December 31, 2012	\$1,119,111

Royalties received:

Year	C&G	MG	NRR	Total
2008	\$74,024	\$27,858	\$0.0	\$101,883
2009	\$68,360	\$19,480	\$5,740	\$ 93,582
2010	\$61,772	\$19,388	\$3,459	\$ 84,621
2011	\$67,241	\$17,948	\$3,321	\$ 88,512
2012	\$84,389	\$17,571	\$4,427	\$106,357
2013	\$160,553*	\$15,843**	\$4,457	\$180,853

Membership and member subscriptions to the journals:

Year	Members	C&G***	MG	NRR
2008	630	111	167	35
2009	557	113	161	29
2010	514	121	159	31
2011	603	95	146	30
2012	766	83	119	23

\*includes \$90,553 of 2012 royalties and \$70,000 of 2013 royalties

\*\*includes \$2,528 of VAT to be recovered

\*\*\*regular, student, and electronic combined

**International Association for Mathematical Geosciences**  
**Cash Flow**  
**January through December 2012**

	Jan - Dec 12
<b>Income</b>	
Bank Credit	1,962.50
Membership Dues	60.00
Memberships & Subscriptions	305.00
PayPal-Deposits	
Transfer From PayPal Account	12,475.92
<b>Total PayPal-Deposits</b>	12,475.92
<b>Royalties</b>	
Computers & Geosciences (Elsevi)	84,358.69
Mathematical Geology (Springer)	17,571.79
Monographs (Oxford)	113.24
Natural Resources (Springer)	4,427.00
<b>Total Royalties</b>	106,470.72
<b>Total Income</b>	121,274.14
<b>Expense</b>	
Accounting Services	4,585.00
Attorney's Fees	330.00
Awards	
Griffiths Travel Support	5,507.21
<b>Total Awards</b>	5,507.21
Bank Charge	
Printing checks	26.95
Service charge	1,500.40
Bank Charge - Other	8.99
<b>Total Bank Charge</b>	1,536.34
Computer	
Technical Support	59.99
Computer - Other	1,313.02
<b>Total Computer</b>	1,373.01
Conference Support	
GeoENV2012	3,000.00
IAMG2011	1,000.00
IAMG2013	6,141.28
<b>Total Conference Support</b>	10,141.28
Distinguished Lecturer	
John H. Schuenemeyer	9,253.97
<b>Total Distinguished Lecturer</b>	9,253.97
Donations	6,438.02
Houston-Office Expenses	288.00
IAMG-Office	
Checking (USbank)	9,000.00
Fax	47.88
Management Service	10,903.14
<b>Total IAMG-Office</b>	19,951.02
IAMG General Funds Checking Acc	-9,000.00
Internal Revenue Services	85.00
Matheron Lecturer	4,925.67
Membership fees	-48.00
News Letter	
Computer Software	1,298.99
News Letter - Other	2,305.88
<b>Total News Letter</b>	3,604.87
PayPal	1.95

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08/09/13

Accrual Basis

# International Association for Mathematical Geosciences

## Cash Flow

January through December 2012

	<u>Jan - Dec 12</u>
Promotion & Booths	
34th-IGC_2012_Booth	2,044.93
Booth Travel Support	2,000.00
Total Promotion & Booths	<u>4,044.93</u>
Publishers Subscriptions	
C&G Subscriptions - Elsevier	7,085.73
MathGeo Subscriptions -Springer	5,580.00
Monographs - Oxford UP	203.75
NRR Subscriptions - Springer	1,265.00
Total Publishers Subscriptions	<u>14,134.48</u>
Royalties-George Christakos 2012	<u>20.69</u>
Total Royalties-George Christakos	20.69
Student Chapter	
Freiberg	2,000.00
The Netherlands (ITC)	3,000.00
Wuhan	4,000.00
Total Student Chapter	<u>9,000.00</u>
Student Research Award	5,000.00
Student Travel Grant	1,000.00
Travel, Officers & Members	16,886.15
Treasurer Operating Expenses	
Miscellaneous	601.83
PO Box	58.00
Postage	36.65
US-Web Server	162.25
Total Treasurer Operating Expenses	<u>858.73</u>
US Bancorp Investment	
Mutual Funds Invesments	60,000.00
Total US Bancorp Investment	<u>60,000.00</u>
Website	
Inter Spots Inc.	4,418.41
Total Website	<u>4,418.41</u>
Total Expense	<u>174,336.73</u>
Net Income	<u><u>-53,062.59</u></u>

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08/09/13

Accrual Basis

**International Association for Mathematical Geosciences**  
**Cash Flow**  
**January through June 2013**

	Jan - Jun 13
<b>Income</b>	
<b>Bank Credit</b>	
Account Transfer	22,251.28
Bank Credit - Other	1,962.50
<b>Total Bank Credit</b>	24,213.78
Membership Dues	138.00
Memberships & Subscriptions	616.00
<b>PayPal-Deposits</b>	
Transfer From PayPal Account	13,000.00
<b>Total PayPal-Deposits</b>	13,000.00
<b>Royalties</b>	
Computers & Geosciences (Elsevi	125,553.28
Mathematical Geology (Springer)	13,314.92
Monographs (Oxford)	80.46
Natural Resources (Springer)	4,457.00
<b>Total Royalties</b>	143,405.66
<b>USbancorp Investments-Transfers</b>	
Money Market Account	20,000.00
<b>Total USbancorp Investments-Transfers</b>	20,000.00
<b>Total Income</b>	201,373.44
<b>Expense</b>	
<b>Afiliation Dues</b>	554.42
<b>Awards</b>	
Vistelius Award Gift Books	389.69
<b>Total Awards</b>	389.69
<b>Bank Charge</b>	
Account Transfer	22,251.28
Service charge	688.70
<b>Total Bank Charge</b>	22,939.98
<b>Conference Support</b>	3,370.42
<b>Debit Card</b>	
Web Hosting & Domain Reg.	513.39
<b>Total Debit Card</b>	513.39
<b>Distinguished Lecturer</b>	5,425.61
<b>IAMG-Office</b>	
Management Service	8,237.84
<b>Total IAMG-Office</b>	8,237.84
<b>Internal Revenue Services</b>	85.00
<b>Newsletter</b>	2,403.39
<b>Outreach</b>	6,599.73
<b>Promotion &amp; Booths</b>	
Booth Travel Support	2,000.00
EGU 2013 Booth	1,507.77
<b>Total Promotion &amp; Booths</b>	3,507.77
<b>Publishers Subscriptions</b>	
C&G Subscriptions - Elsevier	5,535.34
MathGeo Subscriptions -Springer	4,297.50
NRR Subscriptions - Springer	1,100.00
<b>Total Publishers Subscriptions</b>	10,932.84
<b>Student Chapter</b>	
Stanford	600.00
Wuhan	2,000.00
<b>Total Student Chapter</b>	2,600.00

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08/09/13  
Accrual Basis

**International Association for Mathematical Geosciences**  
**Cash Flow**  
**January through June 2013**

	<u>Jan - Jun 13</u>
Student Research Award	6,000.00
Travel, Officers & Members	1,685.36
Treasurer Operating Expenses	
Office supplies	80.52
Postage	17.07
	<hr/>
Total Treasurer Operating Expenses	97.59
US Bancorp Investment	
Mutual Funds Invesments	80,000.00
	<hr/>
Total US Bancorp Investment	80,000.00
Voided check	0.00
	<hr/>
Total Expense	155,343.03
	<hr/>
Net Income	<u>46,030.41</u>

**INTERNATIONAL ASSOCIATION  
FOR MATHEMATICAL GEOSCIENCES**

**Financial Statements**

**Years ended December 31, 2012 and 2011**

INTERNATIONAL ASSOCIATION FOR MATHEMATICAL GEOSCIENCES

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MIZE & HOUSER  
COMPANY P.A.

**INDEPENDENT ACCOUNTANT'S REVIEW REPORT**

Officers and Council  
International Association for Mathematical Geosciences

We have reviewed the accompanying statements of assets, liabilities and net assets - modified cash basis of International Association for Mathematical Geosciences (a not-for-profit association) as of December 31, 2012 and 2011 and the related statements of revenues collected, expenses paid and changes in net assets - modified cash basis for the years then ended. A review includes primarily applying analytical procedures to management's financial data and making inquiries of Association management. A review is substantially less in scope than an audit, the objective of which is the expression of an opinion regarding the financial statements as a whole. Accordingly, we do not express such an opinion.

Management is responsible for the preparation and fair presentation of the financial statements in accordance with the modified cash basis of accounting and for designing, implementing, and maintaining internal control relevant to the preparation and fair presentation of the financial statements.

Our responsibility is to conduct the review in accordance with Statements on Standards for Accounting and Review Services issued by the American Institute of Certified Public Accountants. Those standards require us to perform procedures to obtain limited assurance that there are no material modifications that should be made to the financial statements. We believe that the results of our procedures provide a reasonable basis for our report.

Based on our reviews, we are not aware of any material modifications that should be made to the accompanying financial statements in order for them to be in conformity with the modified cash basis of accounting as described in Note 1.

*Mize & Houser Company PA*

July 30, 2013

INTERNATIONAL ASSOCIATION FOR MATHEMATICAL GEOSCIENCES  
 STATEMENTS OF ASSETS, LIABILITIES AND NET ASSETS - MODIFIED CASH BASIS  
 December 31, 2012 and 2011

ASSETS		
	<u>2012</u>	<u>2011</u>
CASH	\$ 28,751	\$ 70,977
INVESTMENTS	1,087,976	935,859
PROPERTY AND EQUIPMENT		
Equipment and software	2,612	-
Accumulated depreciation	<u>[228]</u>	<u>-</u>
	<u>2,384</u>	<u>-</u>
 Total Assets	 <u>\$ 1,119,111</u>	 <u>\$ 1,006,836</u>
 NET ASSETS		
NET ASSETS		
Unrestricted	<u>\$ 1,119,111</u>	<u>\$ 1,006,836</u>
 Total Net Assets	 <u>\$ 1,119,111</u>	 <u>\$ 1,006,836</u>

See accompanying notes to the financial statements  
 and independent accountant's review report.

INTERNATIONAL ASSOCIATION FOR MATHEMATICAL GEOSCIENCES

STATEMENTS OF REVENUES COLLECTED, EXPENSES PAID  
AND CHANGES IN NET ASSETS - MODIFIED CASH BASIS  
Years Ended December 31, 2012 and 2011

	<u>2012</u>	<u>2011</u>
REVENUES		
Membership and subscriptions	\$ 24,886	\$ 25,548
Royalties	<u>106,471</u>	<u>88,885</u>
Total Revenues	<u>131,357</u>	<u>114,433</u>
EXPENSES		
Member and publication	21,490	30,461
Grants and awards	32,687	26,749
Conferences, meetings, and travel - net	27,027	18,327
Website and computer	4,641	2,503
Legal and accounting	4,915	4,200
Contracted services	10,951	21,527
Donations	6,438	7,006
Depreciation	228	-
Other expense	<u>3,025</u>	<u>2,447</u>
Total Expenses	<u>111,402</u>	<u>113,220</u>
Income [loss] from activities	<u>19,955</u>	<u>1,213</u>
OTHER INCOME [EXPENSE]		
Investment return	92,116	28,003
Other income	<u>204</u>	<u>8,387</u>
	<u>92,320</u>	<u>36,390</u>
CHANGES IN NET ASSETS	112,275	37,603
NET ASSETS, beginning	<u>1,006,836</u>	<u>969,233</u>
NET ASSETS, ending	<u>\$ 1,119,111</u>	<u>\$ 1,006,836</u>

See accompanying notes to the financial statements  
and independent accountant's review report.

## INTERNATIONAL ASSOCIATION FOR MATHEMATICAL GEOSCIENCES

### NOTES TO FINANCIAL STATEMENTS Years Ended December 31, 2012 and 2011

#### Note 1 - Summary of Significant Accounting Policies

The accounting policies described below have been followed on a consistent basis.

##### Nature of Activities

International Association for Mathematical Geosciences is a not-for-profit organization established on August 22, 1968 to promote international cooperation in the application and use of mathematics in geological research and technology. The Association main sources of revenue are subscriptions, memberships, and royalties.

##### Basis of Accounting

The Association prepares its financial statements on the modified cash basis method of accounting. This modified cash basis differs from accounting principles generally accepted in the United States of America since revenues are recognized when collected rather than when earned, and expenses are recognized when paid rather than when the obligation is incurred. Generally, noncash transactions are not recognized in the financial statements, but the Association has elected to record its noncash unrealized gains and losses on its investments in the statement of revenues collected, expenses paid and changes in net assets - modified cash basis. This exception is a departure from the cash basis of accounting, but is in accordance with accounting principles generally accepted in the United States of America.

##### Basis of Presentation

The Association reports information regarding its financial position and activities according to three classes of net assets; unrestricted net assets, temporarily restricted net assets, and permanently restricted net assets.

##### Investments

In accordance with accounting principles generally accepted in the United States of America, investments in marketable securities with readily determinable fair values and all investments in debt securities are reported at their fair value in the statement of financial position. Unrealized gains and losses are included in the change in net assets.

##### Property and Equipment

Property and equipment are recorded at cost. Maintenance and repairs are charged to expense as incurred; major renewals and betterments are capitalized. When items of property or equipment are sold or retired, the related cost and accumulated depreciation are removed from the accounts and any gain or loss is included in income. Depreciation is provided on the accelerated tax-basis methods over the estimated useful lives of the respective assets.

##### Contributions

Contributions received by the Association are recorded as unrestricted, temporarily restricted, or permanently restricted support depending on the existence or nature of any donor restrictions.

As of the financial statement date, there are no contributions on which restrictions, permanent or temporary, have been imposed.

##### Income Taxes

The organization is exempt from federal income tax under section 501(c)(3) of the Internal Revenue Code and from state income tax under applicable state law.

INTERNATIONAL ASSOCIATION FOR MATHEMATICAL GEOSCIENCES

NOTES TO FINANCIAL STATEMENTS  
Years Ended December 31, 2012 and 2011

Note 2 - Investments

The Association's investments consist of marketable securities that are valued at fair market value. Investments are presented in the financial statements in the aggregate as of December 31:

	<u>2012</u> <u>Market Value</u>	<u>2011</u> <u>Market Value</u>
Mutual Funds	\$ 1,087,976	\$ 935,859

The following schedule summarizes the investment return and its classification in the statement of activities for the years ended December 31:

	<u>2012</u>	<u>2011</u>
Dividend and interest income	\$ 48,249	\$ 45,423
Capital gain distributions	2,837	-
Unrealized gains [losses]	<u>41,030</u>	<u>[17,420]</u>
Total investment return	\$ <u>92,116</u>	\$ <u>28,003</u>

Note 3 - Property and Equipment

Major classifications of assets subject to depreciation are as follows:

	<u>2012</u>	<u>2011</u>
Equipment and software	\$ 2,612	\$ -
Less: accumulated depreciation	<u>228</u>	<u>-</u>
Total investment return	\$ <u>2,384</u>	\$ <u>-</u>

Note 4 - Concentration of Credit Risk

Financial accounting standards require disclosure of information about financial instruments with off balance sheet risk and financial instruments with concentrations of credit risk.

Financial instruments which potentially subject the Association to concentrations of credit risk consist principally of cash. The Association places its cash and cash equivalents with financial institutions and investment brokers. The Association does not have any bank depository accounts with balances in excess of FDIC depository insurance coverage. Investments with investment brokers are not covered by FDIC depository insurance coverage and are, therefore, exposed to credit risk to the extent of the cash deposited in these accounts. The Association's credit exposure was \$44,642 and \$62,863 as of December 31, 2012 and 2011, respectively.

Note 5 - Subsequent Events

During the year ended December 31, 2012, the entity evaluated subsequent events through July 30, 2013 and no subsequent events requiring disclosure in the financial statements were noted. The financial statements were available to be issued on July 30, 2013.

EP-MN-WN2K  
60 Livingston Ave.  
St. Paul, Minnesota 55107-2292

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Statement Period: June 1, 2013 through June 28, 2013  
Account Number: 25536865

0061087 02 AV 0.357 \*\*AUTO TO 0 1707 66049-210918 2 -P61148



INTL ASSN FOR MATHEMATICAL GEOSCIENCES  
JORGINA A ROSS  
218 ARIZONA ST  
LAWRENCE, KS 66049-2109



**FOR ASSISTANCE:**

**Your Financial Professional:**  
KIPP NOE, 785-865-0277

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**ACTIVITY SUMMARY** *This period*

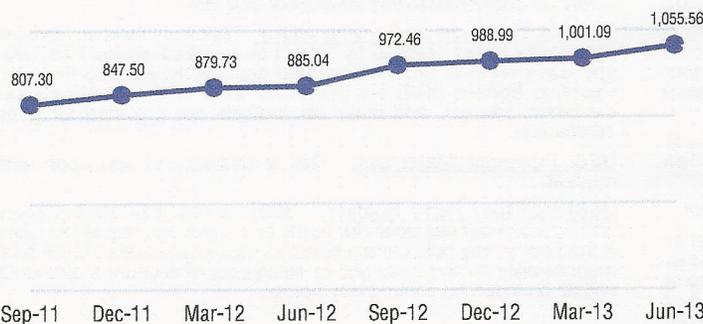
<b>Beginning Account Value</b>	<b>\$1,041,890.65</b>
Total Deposits & Additions	\$40,000.00
Total Withdrawals & Deductions	\$0.00
Net Change to Portfolio Value	-\$26,329.75
<b>Ending Account Value</b>	<b>\$1,055,560.90</b>

**CURRENT NEWS** *This period*

Join us for our next Investment Market Update Call for Clients.  
Wednesday, July 24 at 11:00 a.m. CT;  
Client call-in#: 888-790-4906; Passcode: 6313414.

**ACCOUNT VALUE** *Quarter-ending history*

\$ Thousands



**Sources of your portfolio growth during 2013**

Value of your portfolio at year end 2012	\$988,994.07
➤ Net deposits and withdrawals	\$60,000.00
➤ Net change to portfolio value	\$6,566.83
Value of your portfolio on June 28, 2013	<b>\$1,055,560.90</b>

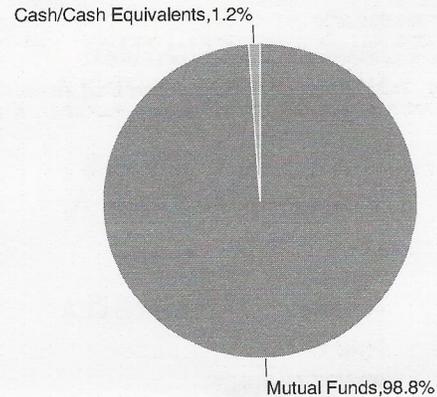
**Account Valuation**

**Cash and Cash Equivalents:**

Money Markets	\$12,599.18
Mutual Funds	\$1,042,961.72
<b>Total:</b>	<b>\$1,055,560.90</b>

**Portfolio Holdings Summary**

Your account is currently allocated among the investments specified below. Percentages may not be exact due to rounding.



**Portfolio Holdings**

Some cost basis data may have been obtained from outside sources and cannot be verified by USBI. Please refer to your trade confirmations for accurate cost basis information. Trade confirmations should be retained for tax purposes. USBI uses FIFO (First In First Out) as the default when calculating your cost basis for individual securities. If you wish to change the cost basis method, please contact your Financial Advisor or Investments Connect. Once a trade settles, no change to the cost basis methodology can be made.

Acct Type	Symbol/CUSIP Description	Quantity	Price on 06/28/13	Current Market Value	Total Cost Basis	Unrealized Gain (Loss)
<b>Cash/Cash Equivalents</b>						
CASH	31846V500 CLASS A FIRST AMERICAN PRIME OBLIGATIONS	12,599.18	1.00	12,599.18		
<b>Cash/Cash Equivalents Total</b>				<b>12,599.18</b>		
<b>Mutual Funds</b>						
CASH	ABRZX INVESCO FUNDS BALANCE RISK ALLOCATION FD A	6,122.521	12.0500000	73,776.37	80,000.00	(6,223.63)
CASH	EVGOX EATON VANCE FUNDS GOVERNMENT OBLIGATIONS FD CL A	8,949.059	7.0300000	62,911.88	67,815.68	(4,903.80)
CASH	FKINX FRANKLIN TEMPLETON FUNDS INCOME FUND CL A	193,372.371	2.2700000	438,955.28		

June 1, 2013 through June 28, 2013

Account # 25536865

INTL ASSN FOR MATHEMATICAL GEOSCIENCES  
JORGINA A ROSS

**Portfolio Holdings**

Acct Type	Symbol/CUSIP Description	Quantity	Price on 06/28/13	Current Market Value	Total Cost Basis	Unrealized Gain (Loss)
<b>Mutual Funds</b>						
CASH	FRDPX FRANKLIN TEMPLETON FUNDS MANAGED TR RISING DIV FD CL A	1,016.474	42.9000000	43,606.73	33,065.40	10,541.33
CASH	FRSTX FRANKLIN TEMPLETON FUNDS STRATEGIC INCOME FUND CL A	15,726.847	10.4500000	164,345.55		
CASH	LIBAX COLUMBIA FUNDS INTERMEDIATE BOND FUND CL A	9,729.513	9.1100000	88,635.86		
CASH	PGBAX PRINCIPAL FUNDS GLOBAL DIVERSIFIED INCOME FD A	12,300.436	13.8800000	170,730.05	180,312.72	(9,582.67)
<b>Mutual Funds Total</b>				<b>1,042,961.72</b>		

**Income and Expense Summary**

Description	This Period	Year-to-Date
Taxable	3,600.96	19,889.25

**Account Activity**

Settle Date	Trade Date	Transaction	Quantity	Description	Price	Debit	Credit
<b>Cash Account</b>							
<b>Purchases, Sales and Other Security Movements</b>							
06/04/13	06/04/13	Reinvestment	19.157	LIBAX COLUMBIA FUNDS	9.320	178.54	
06/04/13	06/04/13	Reinvestment	29.176	EVGOX EATON VANCE FUNDS	7.140	208.32	
06/04/13	06/04/13	Reinvestment	54.246	FRSTX FRANKLIN TEMPLETON FUNDS	10.690	579.89	
06/04/13	06/04/13	Reinvestment	43.069	PGBAX PRINCIPAL FUNDS	14.230	612.87	

Settle Date	Trade Date	Transaction	Quantity	Description	Price	Debit	Credit
<b>Purchases, Sales and Other Security Movements</b>							
06/05/13	06/05/13	Reinvestment	863.821	FKINX FRANKLIN TEMPLETON FUNDS	2.340	2,021.34	
06/21/13	06/20/13	Purchase	3,159.558	ABRZX INVESCO FUNDS	12.6599990	40,000.00	
<b>Total Purchases, Sales and Other Security Movements</b>						<b>43,600.96</b>	<b>0.00</b>
<b>Income</b>							
06/04/13	06/04/13	Dividend		LIBAX DIVIDEND			178.54
06/04/13	06/04/13	Dividend		EVGOX DIVIDEND			208.32
06/04/13	06/04/13	Dividend		FRSTX DIVIDEND			579.89
06/04/13	06/04/13	Dividend		PGBAX DIVIDEND			612.87
06/05/13	06/05/13	Dividend		FKINX DIVIDEND			2,021.34
<b>Total Income</b>						<b>0.00</b>	<b>3,600.96</b>
<b>Funds Received, Withdrawals, and Charges</b>							
06/21/13	06/21/13	Deposit	40,000.00	Received from Bank Account			40,000.00
<b>Total Funds Received, Withdrawals, and Charges</b>						<b>0.00</b>	<b>40,000.00</b>
<b>Money Market Account Activity</b>							
<b>Money Market Beginning Balance</b>							<b>12,599.18</b>
06/21/13	06/21/13	Sold	12,599.18	REDEEM: PRIME OBLIGATIONS-A		12,599.18	
06/21/13	06/21/13	Bought	40,000.00	DEPOSIT SDPRIME OBLIGATIONS-A			40,000.00
06/24/13	06/24/13	Sold	27,400.82	REDEEM: PRIME OBLIGATIONS-A		27,400.82	
<b>Money Market Ending Balance</b>							<b>12,599.18</b>

**NOT A BANK DEPOSIT - NO BANK GUARANTEE - NOT FDIC INSURED  
NOT INSURED BY ANY GOVERNMENT AGENCY - MAY LOSE VALUE**

Uninvested cash balances not intended for investment may not be covered by SIPC. Investment products and services are available through U.S. Bancorp Investments, Inc., member FINRA and SIPC, an investment adviser and a brokerage subsidiary of U.S. Bancorp.

**IMPORTANT INFORMATION**

**Brokered Certificate of Deposit (CD) and FDIC Insurance Limits.** If you have a brokered Certificate of Deposit (CD), the market value will fluctuate based on the prevailing interest rates. Accordingly, a brokered CD may, at any time, be worth more or less than its face value. Your monthly statement includes the market value, current as of the date the statement was generated, of any brokered CD in your account. This does not apply to the traditional CDs that you may have purchased or are issued by U.S. Bank. On July 21, 2010, President Obama signed the Dodd-Frank Wall Street Reform and Consumer Protection Act, which, in part, permanently raises the current standard maximum deposit insurance amount to \$250,000. The FDIC insurance coverage limit applies per

depositor, per depository institution for each account ownership category. For additional information on FDIC insurance, please refer to the Brokered Certificate of Deposit Disclosure Statement or visit [www.fdic.gov](http://www.fdic.gov).

**Systematic or Automatic Transactions.** If you have chosen to have systematic transactions applied to your brokerage account(s), please remember that you will not receive confirmation of these transactions immediately after they have taken effect. Your monthly and/or quarterly brokerage account statements will reflect any systematic transactions that occurred within that time period. Contact your financial professional for more information.

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INTL ASSN FOR MATHEMATICAL GEOLOGY  
218 ARIZONA ST  
LAWRENCE, KS 66049-2109



**FOR ASSISTANCE:**

**Your Financial Professional:**  
KIPP NOE, 785-865-0277

Investments Connect Live: 800-888-4700  
Investments Connect Online: [onlineinvesting.usbank.com](http://onlineinvesting.usbank.com)

**ACTIVITY SUMMARY** *This period*

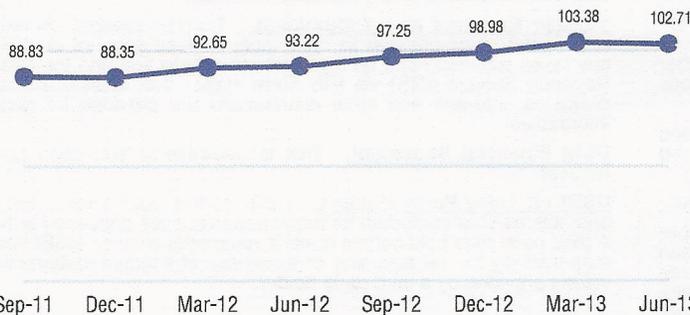
<b>Beginning Account Value</b>	<b>\$105,025.83</b>
Total Deposits & Additions	\$0.00
Total Withdrawals & Deductions	\$0.00
Net Change to Portfolio Value	-\$2,306.80
<b>Ending Account Value</b>	<b>\$102,719.03</b>

**CURRENT NEWS** *This period*

Join us for our next Investment Market Update Call for Clients.  
Wednesday, July 24 at 11:00 a.m. CT;  
Client call-in#: 888-790-4906; Passcode: 6313414.

**ACCOUNT VALUE** *Quarter-ending history*

\$ Thousands



**Sources of your portfolio growth during 2013**

Value of your portfolio at year end 2012	\$98,981.65
➤ Net deposits and withdrawals	\$0.00
➤ Net change to portfolio value	\$3,737.38
Value of your portfolio on June 28, 2013	<b>\$102,719.03</b>

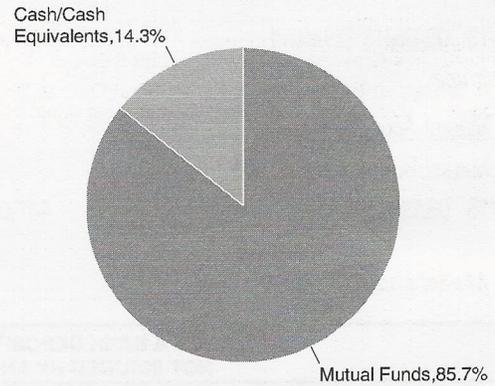
**Account Valuation**

**Cash and Cash Equivalents:**

Money Markets	\$14,711.87
Mutual Funds	\$88,007.16
<b>Total:</b>	<b>\$102,719.03</b>

**Portfolio Holdings Summary**

Your account is currently allocated among the investments specified below. Percentages may not be exact due to rounding.



**Portfolio Holdings**

Some cost basis data may have been obtained from outside sources and cannot be verified by USBI. Please refer to your trade confirmations for accurate cost basis information. Trade confirmations should be retained for tax purposes. USBI uses FIFO (First In First Out) as the default when calculating your cost basis for individual securities. If you wish to change the cost basis method, please contact your Financial Advisor or Investments Connect. Once a trade settles, no change to the cost basis methodology can be made.

Acct Type	Symbol/CUSIP Description	Quantity	Price on 06/28/13	Current Market Value	Total Cost Basis	Unrealized Gain (Loss)
<b>Cash/Cash Equivalents</b>						
CASH	31846V500 CLASS A FIRST AMERICAN PRIME OBLIGATIONS	14,711.87	1.00	14,711.87		
<b>Cash/Cash Equivalents Total</b>				<b>14,711.87</b>		
<b>Mutual Funds</b>						
CASH	FKINX FRANKLIN TEMPLETON FUNDS INCOME FUND CL A	38,769.677	2.2700000	88,007.16	96,499.00	(8,491.84)
<b>Mutual Funds Total</b>				<b>88,007.16</b>		

**Income and Expense Summary**

Description	This Period	Year-to-Date
Taxable	407.08	2,574.29

June 1, 2013 through June 28, 2013

Account # 23138936

INTL ASSN FOR MATHEMATICAL GEOLOGY

**Account Activity**

Settle Date	Trade Date	Transaction	Quantity	Description	Price	Debit	Credit
<b>Cash Account</b>							
<b>Income</b>							
06/05/13	06/05/13	Dividend		FKINX DIVIDEND			407.08
<b>Total Income</b>						<b>0.00</b>	<b>407.08</b>
<b>Money Market Account Activity</b>							
<b>Money Market Beginning Balance</b>							14,304.79
06/06/13	06/06/13	Bought	407.08	DEPOSIT: PRIME OBLIGATIONS-A			407.08
<b>Money Market Ending Balance</b>							<b>14,711.87</b>

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On July 21, 2010, President Obama signed the Dodd-Frank Wall Street Reform and Consumer Protection Act, which, in part, permanently raises the current standard maximum deposit insurance amount to \$250,000. The FDIC insurance coverage limit applies per depositor, per depository institution for each account ownership category. For additional information on FDIC insurance, please refer to the Brokered Certificate of Deposit Disclosure Statement or visit [www.fdic.gov](http://www.fdic.gov).

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**Access Equals Delivery.** U.S. Bancorp Investments, Inc. is excited to announce that final prospectuses for certain fixed income securities are now available online for our clients. This allows you to view and print these prospectuses immediately, and eliminates the need for delivery of hard copies by the U.S. Postal Service, unless you request otherwise. We will provide you with the web address for the prospectus on your trade confirmations. If you prefer to receive a hard copy of the final fixed income prospectus or have any questions, please contact us at [usbii.prospectus.dept@usbancorp.com](mailto:usbii.prospectus.dept@usbancorp.com). You may also contact either your Financial Advisor or U.S. Bancorp Investments Connect at 800-888-4700 Monday through Friday, 7:30 a.m. to 8:00 p.m. Central Time.

**Margin Securities.** Securities purchased on margin are U.S. Bancorp Investments, Inc. (USBI) collateral for the loan to you. If the securities in your account decline in value, so does the value of the collateral supporting your loan. As a result, USBI can take action such as issuing a margin call and/or selling securities or other assets in any of your accounts held

with USBI in order to maintain the required equity in the account. It is important that you fully understand the risks involved in trading securities on margin. These risks include the following: 1) You can lose more funds than you deposit in the margin account. 2) USBI can force the sale of securities or other assets in your account(s). 3) USBI can sell your securities or other assets without contacting you. 4) You are not entitled to choose which securities or other assets in your account(s) are liquidated or sold to meet a margin call. 5) USBI can increase its "house" maintenance margin requirements at any time and is not required to provide you advance written notice. 6) You are not entitled to an extension of time on a margin call.

**Order Routing.** U.S. Bancorp Investments, Inc. (USBI) transmits customer orders for execution to various U.S. exchanges or market centers based on a number of factors. These include trading characteristics of the security and availability of efficient automated transaction processing. Listed equity securities and over-the-counter equity securities are generally routed to selected market makers. Further information about order routing venues for a particular transaction will be provided upon written request.

**SIPC Investor Information.** Information about Securities Investor Protection Corporation (SIPC), including the SIPC brochure, may be obtained by contacting SIPC at [www.SIPC.org](http://www.SIPC.org) or by calling SIPC at 202-371-8300.

**Net Capital Requirements and the June 2013 Semi-Annual Statement of Financial Condition (Unaudited)** U.S. Bancorp Investments, Inc. (the Company) is subject to the Uniform Net Capital Rule of the Securities and Exchange Commission and the Net Capital Rule of the Financial Industry Regulatory Authority. At May 31, 2013, the Company's estimated net capital of \$683,096,050 was \$682,562,300 in excess of the minimum amount required. The June 30, 2013 net capital and excess net capital amounts, along with a copy of the Semi-Annual Statement of Financial Condition (unaudited), may be obtained after July 31, 2013 on the Internet via the URL address <https://onlineinvesting.usbank.com> or via the toll-free number 1-800-888-4700. The Company anticipates to meet all net capital requirements in June 2013.



P.O. Box 1800  
Saint Paul, Minnesota 55101-0800

9185 TRN

Y ST01

## Business Statement

Account Number:

0 043 4391 9181

Statement Period:

Jun 3, 2013

through

Jun 28, 2013

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PO BOX 442504

LAWRENCE KS 66044-7504



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24-Hour Business

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Telecommunications Device  
for the Deaf:

1-800-685-5065

Internet:

usbank.com

### INFORMATION YOU SHOULD KNOW

Effective August 10, 2013, changes are being made to Overdraft Items Paid or Returned (NSF) fees on Small Business checking accounts. U.S. Bank will charge \$15 for each overdraft item (paid or returned) that is \$15.00 or less. U.S. Bank will charge \$36 for each overdraft item (paid or returned) that is \$15.01 or more. Daily maximums will remain at a maximum of 6 overdraft items paid and 6 overdraft items returned.

### BUSINESS EDGE CHECKING

U.S. Bank National Association

Member FDIC

Account Number 0-043-4391-9181

#### Account Summary

	# Items		
Beginning Balance on Jun 3		\$	86,994.07
Other Deposits	1		17,500.00
Card Withdrawals	5		1,692.13 -
Other Withdrawals	2		40,089.95 -
Checks Paid	1		2,624.50 -
<b>Ending Balance on Jun 30, 2013</b>		<b>\$</b>	<b>60,087.49</b>

#### Other Deposits

Date	Description of Transaction	Ref Number		Amount
Jun 7	Electronic Deposit REF=13157009039812 N	From ELSEVIER LTD. P062127741EDI PYMTS 270001385	\$	17,500.00 ✓
<b>Total Other Deposits</b>			<b>\$</b>	<b>17,500.00 ✓</b>

#### Card Withdrawals

Card Number: xxxx-xxxx-xxxx-8797

Date	Description of Transaction	Ref Number		Amount
Jun 20	Visa Purchase (Non-PIN) VIAJES BARCELO *****8797 Exchg Amt: \$818.14 Orig Curr:609.84	On 061913 MADRID REF # 74506253170203825351508 Currency Type: THE EURO	\$	818.14- ✓
Jun 20	Visa Purchase (Non-PIN) VIAJES BARCELO *****8797 Exchg Amt: \$818.14 Orig Curr:609.84	On 061913 MADRID REF # 74506253170203865153962 Currency Type: THE EURO		818.14- ✓
Jun 20	Intl Processing Fee VIAJES BARCELO *****8797	On 061913 MADRID REF # 74506253170203825351 ES1		24.54- ✓
Jun 20	Intl Processing Fee VIAJES BARCELO *****8797	On 061913 MADRID REF # 74506253170203865153 ES1		24.54- ✓



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**Business Statement**

Account Number:  
 0 043 4391 9181

Statement Period:  
 Jun 3, 2013  
 through  
 Jun 28, 2013



**BUSINESS EDGE CHECKING**

**(CONTINUED)**

Account Number 0-043-4391-9181

U.S. Bank National Association

**Card Withdrawals (continued)**

Card Number: xxxx-xxxx-xxxx-8797

Date	Description of Transaction	Ref Number	Amount
Jun 27	Purchase w PIN 002567 *****8797	USPS 1950160584 LAWRENCE KS On 062713 NYC3TERM REF 317814002567 6706270926	6.77- ✓
<b>Card 8797 Withdrawals Subtotal</b>			<b>\$ 1,692.13- ✓</b>
<b>Total Card Withdrawals</b>			<b>\$ 1,692.13- ✓</b>

**Other Withdrawals**

Date	Description of Transaction	Ref Number	Amount
Jun 21	U.S. BANCORP INVE	STMENTS, INC	\$ 40,000.00- ✓
Jun 14	Analysis Service Charge	1400000000	89.95- ✓
<b>Total Other Withdrawals</b>			<b>\$ 40,089.95- ✓</b>

**Checks Presented Conventionally**

Check	Date	Ref Number	Amount
0561	Jun 17	9190110958	2,624.50
<b>Conventional Checks Paid (1)</b>			<b>\$ 2,624.50- ✓</b>

**Balance Summary**

Date	Ending Balance	Date	Ending Balance	Date	Ending Balance
Jun 7	104,494.07	Jun 17	101,779.62	Jun 21	60,094.26
Jun 14	104,404.12	Jun 20	100,094.26	Jun 27	60,087.49

Balances only appear for days reflecting change.

**ANALYSIS SERVICE CHARGE DETAIL**

Account Analysis Activity for: May 2013

Account Number:	0-043-4391-9181	\$	89.95
Account Number:	1-455-7156-7059	\$	0.00
Analysis Service Charge assessed to	0-043-4391-9181	\$	89.95

**Service Activity Detail for Account Number 0-043-4391-9181**

Service	Volume	Avg Unit Price	Total Charge
<b>Depository Services</b>			
Combined Transactions/Items	3		No Charge
Subtotal: Depository Services			0.00
<b>SinglePoint</b>			
SP E CDay Sum Mo Maint	2		No Charge
SP E Pday Det & Sum Mo Maint	2	7.47500	14.95
SP E Previous Day per Item Det	6		No Charge
SP E Token Mo Maintenance	2	3.00000	6.00
SP E Book Transfer Mo Maint	2		No Charge
SP E Book Transfer-per Item	1		No Charge
SP E Stop Payment Mo Maint	2		No Charge
SPE Wires Mo Maintenance	2	5.00000	10.00
SP External User Message Sent	1		No Charge
Subtotal: SinglePoint			30.95
<b>Wire Transfers</b>			
Wire Monthly Maint Voice-Pin	1	5.00000	5.00
Incoming Fedwire	1	12.00000	12.00



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**Business Statement**

Account Number:  
 0 043 4391 9181

Statement Period:  
 Jun 3, 2013  
 through  
 Jun 28, 2013

Page 3 of 3

**ANALYSIS SERVICE CHARGE DETAIL (CONTINUED)**

**Service Activity Detail for Account Number 0-043-4391-9181 (continued)**

Service	Volume	Avg Unit Price	Total Charge
Incoming Fedwire CTP	1	12.00000	12.00
SPE Intl FX Non-Repetitive	1	30.00000	30.00
Subtotal: Wire Transfers			59.00
Fee Based Service Charges for Account Number 0-043-4391-9181			\$ 89.95



P.O. Box 1800  
Saint Paul, Minnesota 55101-0800

9187 TRN

Y ST01

## Business Statement

Account Number:

1 455 7156 7059

Statement Period:

Jun 3, 2013

through

Jun 28, 2013

Page 1 of 1



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usbank.com

### INFORMATION YOU SHOULD KNOW

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Effective August 12, 2013, we will no longer require you to have a U.S. Bank Visa® Check Card to maintain your Silver Business Checking account. The balance requirements will remain the same as will your account number(s).

In addition, some of the benefits associated with Business Packages are changing. Please contact your local branch or call the Business Service Center at 800-673-3555 with any questions or for more information about these changes. We sincerely thank you for your business.

### SILVER BUSINESS CHECKING

U.S. Bank National Association

Member FDIC

Account Number 1-455-7156-7059

#### Account Summary

	# Items		
Beginning Balance on Jun 3		\$	8,926.82
Other Withdrawals	1		5,535.34-
Checks Paid	1		110.00-
<b>Ending Balance on Jun 30, 2013</b>		<b>\$</b>	<b>3,281.48</b>

#### Other Withdrawals

Date	Description of Transaction	Ref Number	Amount
Jun 5	Wire Debit REF415373 BNF=ELSEVIER JOURNALS	SCBLUS33XXXX 130605003221 CUSTOMERS SERVICE	\$ 5,535.34- ✓
<b>Total Other Withdrawals</b>			<b>\$ 5,535.34- ✓</b>

#### Checks Presented Conventionally

Check	Date	Ref Number	Amount
5004	Jun 28	8891483683	110.00

Conventional Checks Paid (1) \$ 110.00- ✓

#### Balance Summary

Date	Ending Balance	Date	Ending Balance
Jun 5	3,391.48	Jun 28	3,281.48

Balances only appear for days reflecting change.

## International Association for Mathematical Geosciences

### Budget

2014

#### INCOME

Membership dues	6,000.00
Journal subscriptions	15,000.00
Donations	1.00
Royalties:	
Mathematical Geosciences	15,500.00
Computers & Geosciences 2012	
Computers & Geosciences	60,000.00
Natural Resources Research	4,000.00
Monographs	120.00
<i>Budget Subtotal: Royalties</i>	<i>79,620.00</i>
C&G Research Scholarships grant	10,000.00
CD orders:	
Computers & Geosciences Silver CD	80.00
IAMG Annual Conference (return from seed money)	
Cash from Money Market Account	15,694.00
Franklin Templeton Income Fund (Chayes Fund)	0.00
Mutual Funds Dividends (General Funds) :	
Franklin Templeton Income Fund (General Funds)	26,000.00
Franklin Templeton Rising Dividends Fund	405.00
Franklin Templeton Strategic Income Fund	8,000.00
Eaton Vance Government Obligations Fund	2,000.00
Colombia Funds	3,000.00
Principal Global Diversified Income Fund	4,735.00
<i>Budget Subtotal: Mutual Funds Dividends</i>	<i>44,140.00</i>
<b>Total Income</b>	<b>170,535.00</b>

#### EXPENSES

Journal subscriptions: to publishers	16,000.00
Royalties share: Monograph 6 (50% royalties)	50.00
Awards:	
Chayes Prize and travel	
Vistelius	
Krumbine	5,000.00
Griffiths	5,000.00
Matheron Lecturer	5,000.00
Distinguished Lecturer	10,000.00
C&G Research Scholarships (4 @ \$2,500)	10,000.00
MG Research Scholarships (3 @ \$2,500)	7,500.00
NRR Research Scholarships (2 @ \$2,500)	5,000.00
Student Travel Grants	3,000.00
Student Chapter Support	12,000.00
IAMG Conference Support:	
Seed money for IAMG conferences	
Grant for IAMG conferences	6,000.00
Non-IAMG Conference Support	5,000.00
Contract Labor (IAMG Office operating expenses)	6,000.00
Contract Labor (IAMG Office)	11,000.00
Dedicated Server Provider	600.00
Outreach Project	8,000.00
Accounting Services	5,000.00
Internal Revenue Service (certification)	85.00
Bank charges	2,000.00
Promotion and Booths	2,000.00
IAMG News Letter (2 per year)	5,500.00
ISI Membership Dues	300.00
Travel: Officers & Members	25,000.00
Archivist operating expenses	1,000.00
Earth Science Matters (ESM) 5,000 euros	6,500.00
Miscellaneous	8,000.00
Investments	0.00
<b>Total expenses</b>	<b>170,535.00</b>